

## REPORT OF STATE INSPECTOR OF MINES.

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OFFICE OF INSPECTOR OF MINES,  
INDIANAPOLIS, IND., February 7, 1901.

*Prof. W. S. Blatchley, State Geologist:*

Dear Sir—I have the honor to submit to you herewith the annual report of the Inspector of Mines for the year 1900 as required by section 7454 of the Revised Statutes of Indiana, by Burns.

JAMES EPPERSON,  
Inspector of Mines.

## INTRODUCTION.

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Inasmuch as the former reports of the Inspector of Mines cover about all the information that is desirable and of public interest, this report follows the same general lines as those which preceded it. We have, however, endeavored to make the report more complete and reliable as to the subjects included in the same than any heretofore made, and to improve on the arrangement of the matter therein.

The production of block and bituminous coal is given separately in this report, and each of these products is subdivided into machine and hand-mined coal, being a change from last year's report in this respect, which it is hoped will add to the interest and value of the report. The product is separated into screened, slack and nut, and mine run coal, and the total number of tons mined is also given. The number of kegs of powder used is omitted from the report for the reason that so much of it was purchased from persons other than operators, from whom no reports could be required, even if their names could have been ascertained, that any attempt to estimate the amount used would have been so unreliable as to be useless to any one, being a mere guess.

In giving the wages paid for day labor, the wages paid to inside and outside day men are combined, because it was impossible to get the persons furnishing this data to separate and classify them.

The table of wages in this report gives accurately the aggregate price paid for mining coal and for day labor as reported to this office. It was the purpose of this Department to give also in this report the entire cost of the production of coal and the selling price thereof. Several attempts were made during the year to collect data for this purpose, but it was found that mine operators, in most instances, were opposed to giving out this information, claiming that the same might be detrimental to their business, making it impossible to get the necessary statistics to make anything like an accurate statement.

The geological number of the coal seams of each mine is given in the general table, and a table has been added of mines in which mining machines or mechanical haulage is being used.

This report includes the following matter, arranged in the order enumerated: Letter of transmittal, introduction, miscellaneous table, coal trade and mining conditions, miners' and operators' wage agreement, labor troubles, tonnage and wage tables, new mines, abandoned mines, table of machine mines, improvement of mines, examinations, certificates of competency, certificates of service, table of small mines, mine bosses and addresses, companies and addresses, table of accidents, changes in the mine management, and opinions of Attorney-General.

TABLE

Showing Name of Mine, Depths and Thickness of Coal, Geological Number of Coal Seams, Number of Persons Employed Inside, Number of Persons Employed Outside, Total Number of Employees, Days Worked, Number of Mules Used, Accidents, Tons of Screened, Slack and Nut and Mine Run Coal Produced, Total Tons of Coal Produced, Wages Paid to Miners, Wages Paid to all Other Labor, Total Wages Paid Exclusive of Office Employees, Tons of Block Coal Mined by Machines, Tons of Block Coal Mined by Hand, Tons of Bituminous Coal Mined by Machines, and Tons of Bituminous Coal Mined by Hand.

## BLOCK COAL MACHINE MINES.

## CLAY COUNTY.

NAME OF MINE.	Depths to Coal in Feet.	Thickness of Coal Seam in Feet and Inches.	Geological No. of Coal Seams.	Number of Per- sons Employed Inside.	Number of Per- sons Employed Outside	Total Number of Persons Em- ployed.	Days Worked.	Number of Mules Used.	Accidents.	Tons of Screened Coal.	Tons of Slack and Nut Coal.	Tons of Mine Run Coal.	Total Tons of all Kinds of Coal Produced.	Wages Paid to Miners.	Wages Paid to all Other Labor.	Total Wages Paid.
Brazil Block No. 1.....	100	3 3	IV	101	18	119	18	8	5	48,694	8,604	64	57,362	\$44,177 79	\$34,210 01	\$78,387 80
Brazil Block No. 8.....	89	3 3	III	147	15	162	260	11	2	76,831	14,760	.....	91,591	65,193 93	38,656 95	103,850 88
Brazil Block No. 11.....	74	3 10	IV	85	9	94	163	16	1	42,098	7,955	109	50,162	36,464 43	17,241 15	53,705 58
Gart No. 10.....	65	3 3	III	60	6	66	128	6	2	23,200	4,267	.....	27,467	19,666 04	14,232 59	33,898 63
Diamond No. 3.....	103	3 3	III	58	8	66	208	6	.....	29,714	4,295	.....	34,009	21,454 32	15,996 88	37,451 20
Diamond No. 5.....	96	3 3	IV	43	8	51	171	3	.....	14,846	2,445	.....	17,291	12,389 00	10,087 60	22,476 60
Briar Hill.....	116	3 6	IV	42	8	50	160	7	.....	13,303	2,123	4,587	20,013	12,187 41	7,791 97	19,179 38
Totals.....	.....	.....	.....	536	72	608	.....	58	10	248,686	44,449	4,760	297,895	\$211,532 92	\$138,217 15	\$349,750 07

## BLOCK COAL MACHINE MINES—Continued.

## PARKE COUNTY.

NAME OF MINE.	Depths to Coal in Feet.	Thickness of Coal Seam in Feet and Inches.	Geological No. of Coal seams.	Number of Per- sons Employed Inside.	Number of Per- sons Employed Outside.	Total Number of Persons Em- ployed.	Days Worked.	Number of Mules Used.	Accidents.	Tons of Screened Coal.	Tons of Slack and Nut Coal.	Tons of Mine Run Coal.	Total Tons of all Kinds of Coal Produced.	Wages Paid to Miners.	Wages Paid to all Other Labor.	Total Wages Paid.
Brazil Block No. 12.....	150	3-6	IV III	98	11	109	232	12	12	35,827	7,145	8,136	51,108	\$35,960 88	\$23,609 97	\$59,570 85
Totals .....				98	11	109	232	12	12	35,827	7,145	8,136	51,108	\$35,960 88	\$23,609 97	\$59,570 85
Totals in Block Coal Machine Mines .....				634	83	717	.....	70	22	284,513	51,594	12,896	349,003	\$247,493 80	\$161,827 12	\$409,320 92

## BITUMINOUS MACHINE MINES.

## DAVIESS COUNTY.

Cable No. 9 .....	85	4-6	V	167	9	176	265	14	2	5,408	2,557	85,994	93,959	\$37,822 92	\$31,547 27	\$69,370 19
Totals .....				167	9	176	265	14	2	5,408	2,557	85,994	93,959	\$37,822 92	\$31,547 27	\$69,370 19

## GREENE COUNTY

Island No. 1 .....	66	5-0	IV	80	11	91	148	10	2	7,107	15,793	52,697	75,597	\$29,713 73	\$20,232 07	\$49,945 80
Island No. 2 .....	95	5-0	IV	134	17	151	157	21	3	46,352	40,863	34,254	121,469	54,193 12	33,756 26	87,949 38
Summit No. 2 .....	150	5-6	IV	90	11	101	88	10	10	32,748	11,121	1,900	45,769	15,599 87	13,480 14	29,080 01
Hoosier .....	133	3-7	IV	20	6	26	36	1	.....	.....	.....	1,789	1,789	536 10	1,794 00	2,330 10
Black Creek .....	.....	4-8	IV	19	7	26	20	2	1	1,587	1,099	62	2,748	1,170 37	1,941 12	3,111 49
Totals .....				343	52	395	.....	44	16	87,794	68,876	90,702	247,372	\$101,213 19	\$71,203 59	\$172,416 78

## PARKE COUNTY.

Parke No. 8.....	125	6-0	VI	90	11	101	219	10	1	15,134	9,164	58,647	82,945	\$36,870 56	\$20,327 02	\$57,197 58
Cox No. 3.....	185	6-0	VI	94	24	114	163	15	2	39,015	16,966	19,156	75,137	35,063 24	34,349 08	69,412 32
Totals.....				184	35	215	.....	25	3	54,149	26,130	77,803	158,082	\$71,933 80	\$54,676 10	\$126,609 90

## PIKE COUNTY.

Hartwell .....	.....	4-0	V	20	3	23	170	2	4	.....	.....	16,996	16,996	\$4,119 37	\$5,708 73	\$9,828 10
Totals.....	.....	4-0	V	20	3	23	170	2	4	.....	.....	16,996	16,996	\$4,119 37	\$5,708 73	\$9,828 10

## SULLIVAN COUNTY.

Phoenix No. 1.....	37	7-0	V	166	25	191	176	18	4	.....	.....	182,003	182,003	\$61,830 02	\$44,827 90	\$106,657 92
Phoenix No. 3.....	*	7-0	V	.....	.....	.....	.....	2	2	.....	Reported with	Reported with	Phoenix	No. 1.		
Phoenix No. 5.....	*	7-0	V	.....	.....	.....	.....	1	.....	.....	Reported with	Reported with	Phoenix	No. 1.		
Star City.....	120	5-0	VI	121	21	142	197	27	3	98,379	47,573	7,770	153,722	51,149 52	44,669 86	95,819 38
Shelburn.....	240	5-6	VI	55	11	67	146	8	2	16,149	11,470	1,245	28,864	14,232 55	13,476 10	27,708 65
Bunker Hill.....	72	4-6	VI	41	8	49	189	6	1	11,833	6,082	5,544	23,459	4,693 65	6,578 24	11,271 89
Dugger.....	105	5-0	VI	100	17	117	196	12	4	52,955	24,172	31,615	108,742	40,981 97	26,168 86	67,150 83
Jackson Hill No. 1.....	24	5-8	VI	120	13	133	182	27	4	45,777	70,332	36,308	152,417	49,227 18	31,598 33	80,825 51
Jackson Hill No. 2.....	104	5-8	VI	50	9	59	200	7	.....	32,644	38,990	19,116	90,750	27,788 75	13,316 24	41,134 99
G. Ingle.....	50	4-8	VI	50	7	57	4	.....	.....	13,654	6,266	12,050	31,970	12,804 29	8,301 90	21,106 19
Hymera.....	127	6-0	V	65	17	82	208	9	1	20,372	16,556	20,440	57,368	20,739 79	12,564 36	33,304 15
Totals.....				768	128	896	.....	115	21	291,763	221,441	134,088	647,292	\$283,447 72	\$201,531 79	\$484,979 51

## VIGO COUNTY.

Parke No. 10.....	100	6-6	VI	125	14	139	225	11	.....	44,425	38,550	68,987	151,962	\$61,122 83	\$29,140 44	\$90,263 27
Glen Oak (no report).....	50	6-6	VI	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Ray.....	110	7-0	VI	136	11	147	161	11	.....	42,320	24,236	44,776	111,332	47,593 13	24,119 02	71,712 15
Totals.....				261	25	287	306	22	1	86,745	62,786	113,763	263,294	\$108,715 96	\$53,259 46	\$161,975 42

BITUMINOUS MACHINE MINES—Continued.

VANDEBURGH COUNTY

NAME OF MINE.	Depths to Coal in Feet.	Thickness of Coal Seam in Feet and Inches.	Geological No. of Coal Seams.	Number of Persons Employed Inside.	Number of Persons Employed Outside.	Total Number of Persons Employed.	Days Worked.	Number of Mules Used.	Accidents.	Tons of Screened Coal.	Tons of Slack and Nut Coal.	Tons of Mine Run Coal.	Total Tons of all Kinds of Coal Produced.	Wages Paid to Miners.	Wages Paid to all Other Labor.	Total Wages Paid.
Sunnyside .....	235	4-0	V	72	10	82	205	11	3	23,639	10,544	17,486	51,669	\$26,110 60	\$19,555 90	\$45,666 50
Totals .....	235	4-0	V	72	10	82	205	11	3	23,639	10,544	17,486	51,669	\$26,110 60	\$19,555 90	\$45,666 50

WARRICK COUNTY.

Big Vein .....	*	7-0	VI	37	5	42	189	6	1	.....	.....	48,319	48,319	\$16,467 90	\$7,539 20	\$24,007 10
Totals .....	.....	.....	.....	37	5	42	189	6	1	.....	.....	48,319	48,319	\$16,467 90	\$7,539 20	\$24,007 10
Totals in Bituminous Machine Mines .....	.....	.....	.....	1,852	267	2,119	.....	272	50	549,498	392,334	585,151	1,526,983	\$649,831 46	\$445,022 04	\$1,094,853 50

BLOCK COAL—HAND OR PICK MINES.

CLAY COUNTY.

Gart No. 3 .....	120	4-0 3-4	IV III	80	8	88	210	9	1	29,192	6,655	2,123	37,970	\$28,262 22	\$15,616 22	\$43,878 44
Gart No. 5 .....	77	4-0 3-6	IV III	139	10	149	153	10	.....	52,389	10,085	7,872	70,346	53,620 14	20,666 29	74,286 43
Gart No. 7 .....	.....	4-0	IV	20	.....	.....	.....	2	1	.....	.....	5,039	5,039	3,901 36	151 42	4,052 78
Louise .....	106	3-4	III	33	3	36	119	3	1	7,825	1,582	220	9,627	6,860 96	2,859 29	9,720 25
Monarch .....	81	3-6	IV	18	2	20	292	2	.....	.....	.....	8,675	8,675	9,716 89	2,653 60	12,370 49
Gladstone .....	125	4-6	IV	72	8	80	206	10	.....	.....	.....	45,085	45,085	34,880 26	18,267 75	53,148 01

Pratt .....	129	3-4 4-0 4-0	IV IV III	65	6	71	208	8	2	23,630	2,415	5,536	31,581	23,332 00	11,182 00	34,514 00
Eureka No. 2 .....	99	3-6 3-3	III III	68	5	73	174	8	1	29,277	6,418	.....	35,695	28,840 75	10,148 40	38,989 15
Eureka No. 3 .....	40	3-3 4-0	III IV	69	6	75	202	6	2	24,221	7,200	1,611	33,032	30,115 90	8,640 65	38,756 55
Eureka No. 4 .....	80	3-6 4-0	III IV	46	3	49	50	3	1	6,446	1,685	.....	8,131	7,944 05	1,653 05	9,597 10
Rob Roy .....	97	3-4 3-4	IV III	30	5	35	205	3	2	10,893	1,348	474	12,715	10,284 62	6,420 52	16,705 14
Dewey .....	64	3-6 3-6	III III	61	3	64	163	4	.....	22,522	4,721	.....	27,243	21,127 09	8,240 39	29,367 48
Crawford No. 2 .....	75	3-6 3-6	III III	18	4	22	64	2	1	2,124	560	.....	2,684	4,112 89	2,897 69	7,010 58
Crawford No. 3 .....	90	3-4 3-4	III III	63	5	68	131	3	.....	24,481	4,714	.....	29,195	22,526 17	8,784 89	31,611 06
Crawford No. 4 .....	86	6-4 3-6	III III	48	6	54	123	4	6	14,944	3,068	.....	18,012	13,705 35	6,700 04	20,405 39
Crawford No. 5 .....	.....	3-8 4-0	III III	90	6	96	169	4	1	25,439	5,630	6,584	37,653	28,390 62	5,949 94	34,340 56
Columbia No. 4 .....	120	4-0 3-6	III III	60	5	65	134	4	2	18,884	5,000	26	23,910	20,166 37	6,003 89	26,170 26
Columbia No. 5 .....	85	4-0 3-6	III III	106	7	113	177	7	.....	392,724	14,590	550	406,864	35,413 38	10,588 81	46,002 19
Markland .....	85	3-6 3-6	III III	23	5	28	142	3	.....	7,291	2,381	.....	9,072	5,982 00	2,894 30	8,876 30
Harrison No. 2 .....	75	3-6 3-6	IV IV	36	5	41	168	3	.....	11,791	3,020	740	15,551	11,808 50	4,811 20	16,614 70
Harrison No. 3 .....	82	3-6 4-0	IV IV	31	3	34	163	3	.....	9,225	2,690	.....	12,044	8,898 05	3,028 35	11,921 40
Cornwall .....	86	3-6 4-0	III IV	40	4	44	182	2	.....	8,301	2,486	.....	10,787	8,500 41	7,095 58	15,595 99
Totals .....	.....	.....	.....	1,216	111	1,327	.....	103	21	721,599	86,248	84,664	892,511	\$418,679 98	\$165,254 27	\$583,934 25

## PARKE COUNTY.

Otter Creek .....	33	4-0 3-8 4-6	IV III III	42	3	45	168	3	2	18,658	3,246	2,872	24,776	\$17,483 99	\$8,263 80	\$25,747 79
Standard .....	100	3-4 4-0 5-0	IV IV III	79	5	84	192	7	1	38,400	10,735	3,567	52,702	35,617 00	10,848 00	46,465 00
Superior No. 1 .....	108	4-10 3-4 3-6	IV III III	80	6	86	136	7	2	42,681	10,485	661	53,827	40,576 98	17,884 71	58,461 69
Mary .....	105	4-10 3-4 3-6	IV III III	28	4	32	198	3	.....	7,860	1,180	.....	9,040	9,499 48	3,758 74	13,258 22
McIntosh No. 3 .....	90	3-4 3-6	III III	90	5	95	169	4	2	33,689	8,415	554	42,658	30,989 00	15,074 00	46,063 00
Crawford No. 1 .....	35	3-6 4-0	III IV	47	4	51	178	2	1	20,166	3,924	65	24,155	16,909 83	6,615 36	23,528 19
Superior No. 2 .....	135	3-6 4-0	III IV	125	7	132	184	9	2	49,063	11,835	2,528	63,426	50,487 69	16,687 68	67,175 37
Totals .....	.....	.....	.....	491	34	525	.....	35	10	210,517	49,820	10,247	270,584	\$201,563 97	\$79,135 29	\$280,699 26
Totals in Block Coal, Hand or Pick Mines .....	.....	.....	.....	1,707	145	1,852	.....	138	31	932,116	136,068	94,911	1,163,095	\$620,243 95	\$244,389 56	\$864,633 51



## BITUMINOUS HAND OR PICK MINES.

## CLAY COUNTY.

NAME OF MINE.	Depths to Coal in Feet.	Thickness of Coal Seam in Feet and Inches.	Geological No. of Coal Seams.	Number of Per- sons Employed Inside.	Number of Per- sons Employed Outside.	Total Number of Persons Em- ployed.	Days Worked.	Number of Mules Used.	Accidents.	Tons of Screened Coal.	Tons of Slack and Nut Coal.	Tons of Mine Run Coal.	Total Tons of all Kinds of Coal Produced.	Wages Paid to Miners.	Wages Paid to all Other Labor.	Total Wages Paid.
Gifford.....	110	4-4	III	76	6	82	90	4	...	5,299	1,298	702	7,299	\$5,639 10	\$5,275 14	\$10,914 24
Klondyke.....	25	7-0	VI	151	11	162	149	10	5	55,425	36,726	19,454	111,605	50,811 65	14,524 87	65,336 52
Silverwood No. 3.....	62	6-6	VI	58	7	65	230	4	...	29,148	15,516	...	44,664	23,065 15	10,528 07	33,593 22
San Pedro.....	48	7-0	VI	26	7	33	95	5	1	6,711	4,145	1,114	11,970	5,910 58	4,092 14	10,002 72
Cloverland.....	100	7-0	VI	136	10	146	150	6	1	41,332	17,331	25,194	83,857	49,665 24	12,742 13	62,407 37
Fortner.....	100	3-4	V	29	4	33	82	9	1	4,435	1,898	729	7,062	6,120 48	2,969 92	9,090 40
Pearl.....	32	7-0	VI	65	6	71	168	6	...	24,630	12,034	4,150	40,814	21,841 36	7,388 02	29,229 38
Totals.....				541	51	592	.....	44	8	163,980	88,948	51,343	307,271	\$163,053 56	\$57,520 29	\$220,573 85

## DAVISS COUNTY.

Cable No. 4.....	42	2-10	V	57	5	62	200	5	...	11,196	3,778	1,650	16,624	\$12,083 90	\$6,238 62	\$18,337 52
Hoosier.....	50	3-7	III	Work	ing	fewer	than	ten	men.	3,848	626	...	4,474	4,400 04	1,475 75	5,875 79
Wilson No. 4.....	*	3-6	V	16	3	19	74	...	...	...	...	...	53,376	25,571 30	12,069 00	37,640 30
Montgomery No. 2.....	65	3-8	IV	61	8	69	169	5	3	...	...	41,454	41,454	31,711 55	13,743 70	45,455 25
Montgomery No. 3.....	100	3-8	IV	93	9	102	219	7	2	2,600	1,400	...	57,376	5,335 82	3,735 73	9,091 55
Union.....	50	3-0	III	17	2	19	113	...	...	...	...	5,437	5,437	2,285 61	503 43	2,789 04
Hawkins.....	64	6-0	V	20	4	24	189	2	...	...	...	8,606	8,606	5,355 82	3,735 73	9,091 55
Mutual.....	100	4-6	III	41	6	47	213	4	...	13,140	1,125	3,540	17,805	12,065 00	5,924 40	17,989 40
Black Diamond.....	82	3-4	III	12	2	14	24	2	...	5,130	2,070	1,095	8,295	590 00	261 10	791 10
Totals.....				317	39	356	.....	25	5	35,914	8,999	115,158	160,071	\$94,003 22	\$43,966 73	\$137,969 95

## FOUNTAIN COUNTY.

Sturm .....	55	4-8	V	12	3	15	77	3	....	680	185	2,244	3,109	\$1,495 00	\$1,186 00	\$2,681 00
Silverwood .....	86	4-6	V	50	7	57	239	4	3	25,751	12,060	720	38,531	22,614 51	12,092 19	34,706 70
Totals .....	.....	.....	.....	62	10	72	.....	7	3	26,431	12,245	2,964	41,640	\$24,109 51	\$13,278 19	\$37,387 70

## GREENE COUNTY.

Island Valley No. 1 .....	52	5-0	IV	60	6	66	198	6	4	16,375	9,392	26,111	51,878	\$ 5,450 79	\$11,440 35	\$36,891 14
Island Valley No. 2 .....	37	5-4	VI	35	6	41	59	3	3	12,635	1,653	52	14,340	4,104 28	1,989 08	6,093 36
Island Valley No. 3 .....	47	5-6	IV	52	8	60	133	7	4	10,111	5,170	15,147	30,428	17,981 75	6,690 39	24,672 14
Fluhart .....	72	5-0	IV	106	11	117	144	12	3	17,932	4,986	31,792	54,710	31,505 47	14,800 96	46,306 43
South Linton .....	81	5-0	IV	101	9	110	162	9	5	33,038	16,958	49,688	89,684	48,063 99	12,267 99	60,331 98
Summit No. 1 .....	95	5-0	IV	48	7	55	103	7	2	65,903	29,227	19,908	115,038	41,296 43	26,436 15	67,732 58
Templeton .....	52	5-0	IV	150	10	160	.....	12	4	13,866	8,454	93,442	115,762	59,195 00	16,637 60	75,832 60
Wild Cat .....	102	4-6	IV	80	11	91	110	6	2	5,889	5,220	16,162	27,271	18,8 4 27	7,964 92	26,839 19
Totals .....	.....	.....	.....	632	68	700	.....	62	27	175,749	81,060	242,302	499,111	\$246,471 98	\$98,227 44	\$344,699 42

## GIBSON COUNTY.

Oswald .....	450	6-10	V?	76	15	91	162	10	5	23,450	13,811	22,159	59,420	\$28,759 53	\$14,903 97	\$43,663 50
Totals .....	.....	.....	.....	76	15	91	162	10	5	23,450	13,811	22,159	59,420	\$28,759 53	\$14,903 97	\$43,663 50

## KNOX COUNTY.

Knox .....	103	4-4	VI	32	3	35	25	2	....	562	322	84	968	\$941 52	\$2,095 92	\$3,037 44
Bicknell .....	92	4-4	VI	37	5	42	175	3	1	7,093	4,646	12,659	24,398	11,043 75	4,714 50	15,758 25
Edwardsport .....	45	4-6	VI	46	6	52	226	6	3	9,239	6,134	9,000	24,373	16,728 46	11,351 35	28,079 81
Prospect Hill .....	335	3-0	VII	14	4	18	188	3	....	4,244	2,301	3,698	9,643	5,542 55	4,176 66	9,719 21
Totals .....	.....	.....	.....	129	18	147	.....	14	4	21,138	13,403	24,841	59,382	\$34,256 28	\$22,238 43	\$56,594 71

## BITUMINOUS HAND OR PICK MINES—Continued.

## MARTIN COUNTY.

NAME OF MINE.	Depth to Coal in Feet.	Thickness of Coal Seam in Feet and Inches.	Geological No. of Coal Seams.	Number of Per- sons Employed Inside.	Number of Per- sons Employed Outside.	Total Number of Persons Em- ployed.	Days Worked.	Number of Mules Used.	Accidents.	Tons of Screened Coal.	Tons of Slack and Nut Coal.	Tons of Mine Run Coal.	Total Tons of all Kinds of Coal Produced.	Wages Paid to Miners.	Wages Paid to all Other Labor.	Total Wages Paid.
Tunnel .....	†	2-8	III	20	2	22	267	2	....	1,129	794	6,343	8,266	\$1,842 00	\$1,981 41	\$6,823 41
Totals .....	.....	.....	.....	20	2	22	267	2	....	1,129	794	6,343	8,266	\$1,842 00	\$1,981 41	\$6,823 41

## PIKE COUNTY.

Rogers .....	†	7-0	V	12	2	14	41	1	....	.....	.....	3,263	3,263	\$681 06	\$667 83	\$1,348 89
Littles .....	80	6-6	V	77	10	87	129	11	3	10,161	11,997	28,413	50,571	23,804 97	9,597 51	33,402 48
Blackburn .....	*	6-6	V	49	8	57	115	7	....	11,582	12,468	7,421	31,471	14,564 18	2,936 35	17,500 53
Wooley .....	52	5-0	V	55	7	62	86	5	....	.....	.....	21,012	21,012	9,729 25	11,379 90	21,109 15
Carbon .....	*	4-6	V	20	5	25	104	4	2	81	80	8,232	8,393	4,525 82	2,803 16	7,328 98
Ayrshire No. 3 .....	22	5-0	V	179	20	199	209	16	6	29,974	19,541	48,919	98,434	47,708 91	32,743 64	80,452 55
Ayrshire No. 4 .....	†	4-8	V	.....	.....	.....	.....	2	....	Reported with	Ayrshire No. 3.	.....	.....	.....	.....	.....
Ayrshire No. 5 .....	*	5-0	V	25	3	28	110	4	....	421	341	11,281	12,043	7,060 07	2,286 99	9,347 06
Alden .....	†	5-6	V	10	2	12	15	2	....	1,364	1,377	1,324	4,065	3,248 00	1,480 00	4,728 00
Aberdeen .....	43	4-6	V	33	4	37	32	2	....	71	71	3,414	3,556	3,072 00	396 00	3,468 00
Totals .....	.....	.....	.....	460	61	521	.....	54	11	53,654	45,875	133,279	232,808	\$114,294 26	\$64,291 38	\$178,685 64

## PARKE COUNTY.

Mecca No. 1 .....	130	{ 3-4 4-10	{ IV III	52	8	60	219	7	3	11,372	6,065	24,396	41,833	\$23,457 47	\$15,167 79	\$38,625 26
Lucia .....	134	{ 4-0 4-0	{ III III	63	7	70	185	7	3	24,407	12,772	15,525	52,704	28,655 00	15,478 00	44,133 00
Lyford No. 2 .....	185	6-6	VI	134	14	148	143	14	6	9,168	4,847	90,698	104,713	32,537 34	86,796 95	.....
Totals .....	.....	.....	.....	249	29	278	.....	28	12	44,947	23,684	130,619	199,250	\$106,372 08	\$63,183 13	\$169,555 21

## PERRY COUNTY.

Cannelton .....	†	2-8	II	24	5	29	90	3	3	907	16,844	17,751	\$8,469 48	\$6,527 40	\$14,996 88
Sulphur Springs .....	50	2-8	II	12	2	14	187	1	1	499	600	1,099	656 12	190 11	846 23
Troy .....		3-0	II								4,630	4,630	3,345 92	51,900 02	55,245 94
Totals .....				36	7	43		5	3	1,406	22,074	23,480	\$12,471 52	\$58,617 53	\$71,089 05

## SULLIVAN COUNTY.

Caledonia .....	106	5-3	VI	71	6	77	241	5	7	30,792	10,250	16,731	57,773	\$24,151 41	\$19,381 09	\$43,482 50
Briar Hill .....	100	5-0	VI	80	4	34	149	4	...	7,309	2,746	4,178	14,233	\$8,718 92	4,409 21	13,128 13
Sullivan (idle) .....	185	2-6	VII													
White Ash .....	53	6-0	V	35	4	39	183	4	...	7,280	4,800	9,305	21,885	12,727 67	4,151 63	16,879 30
Green Hill .....	120	4-6	VI	20	5	25	93	2	...	3,746	2,517	1,732	7,995	3,400 00	3,135 00	6,535 00
Sunflower (new mine, no report) .....			VI													
Totals .....				156	19	175		15	7	49,127	20,313	31,946	101,386	\$48,998 00	\$31,026 93	\$80,024 93

## VIGO COUNTY.

Peerless .....	101	7-0	VI	110	9	119	170	14	12	45,702	20,520	8,998	75,220	\$42,974 00	\$17,988 00	\$60,962 00
Diamond .....	54	6-0	VI	180	10	170	255	17	1	68,798	30,370	31,651	130,819	77,362 00	28,644 00	106,006 00
Grant No. 1 .....	80	6-6	VI	52	6	58	187	6	2	18,091	10,325	22,758	51,174	24,365 03	12,334 18	36,699 21
Nickleplate .....	10	7-0	VI	58	7	65	160	4	1	...	...	47,739	10,674 60	17,559 35	28,233 95	
Klondike .....	"	6-6	VI	70	9	79	161	4	1	17,820	11,273	21,927	51,120	26,545 67	10,380 75	36,926 42
Ehrlich .....	99	7-0	VI	56	7	63	184	7	...	27,368	19,925	...	47,283	22,704 19	9,194 12	31,898 31
Koch .....	"	6-6	VI	25	6	31	42	2	...	...	...	1,407	1,407	899 98	468 60	1,368 58
Hecktor .....	133	7-0	VI	66	7	73	138	5	2	20,081	14,309	6,590	40,980	19,413 98	10,680 55	30,094 53
Red Bird .....	90	6-0	VI	18	2	20	76	1	4	723	383	673	1,779	909 45	674 72	1,584 17
Brick Works .....	35	4-4	VII	9	2	11	111	2	...	...	...	4,066	4,066	1,916 72	1,034 83	2,951 55
Miller Bros. ....	85	4-4	VII	Work	ing	fewer	than	ten	men.							
Murry .....	27	4-4	VII	Work	ing	fewer	than	ten	men.							
Broadhurst .....	89	4-4	VII	14	2	16	180	2	1	3,982	2,963	3,852	10,797	5,654 13	2,472 21	8,126 34
Larimer (no report) .....	110	4-8	VII	Work	ing	fewer	than	ten	men.							
Vigo .....	"	6-6	VI	25	3	28	7	3	...	...	...	575	575	250 00	175 00	425 00
Grant No. 2 .....	120	6-6	VI	61	7	68	208	2	...	2,910	7,570	39,878	50,358	29,170 17	10,288 10	39,458 27
Pfaelzer .....	"	6-0	VI	56	5	61	120	4	1	2,795	1,245	22,515	26,555	15,453 37	5,099 99	20,553 36
Lawton (new mine, no report) .....	110	6-6	VI													
Royal .....	103	6-0	VI	36	5	41	53	1	...	4,092	2,254	362	6,708	4,054 90	1,761 31	5,816 21
Glen (new mine, no report) .....	101	4-6	III													
Totals .....				816	87	903		75	25	212,462	121,137	212,991	546,590	\$282,348 19	\$128,755 71	\$411,103 90

## BITUMINOUS HAND OR PICK MINES—Continued.

## VANDERBURGH COUNTY.

NAME OF MINE.	Depths to Coal in Feet.	Thickness of Coal Seam in Feet and Inches.	Geological No. of Coal Seams.	Number of Per- sons Employed Inside.	Number of Per- sons Employed Outside.	Total Number of Persons Em- ployed.	Days Worked.	Number of Mules Used.	Accidents.	Tons of Screened Coal.	Tons of Slack and Nut Coal.	Tons of Mine Run Coal.	Total Tons of all Kinds of Coal Produced.	Wages Paid to Miners.	Wages Paid to all Other Labor.	Total Wages Paid.
Union .....	235	4-0	V	33	6	39	183	3	...	6,997	3,506	6,997	17,500	\$13,220 00	\$5,015 75	\$18,235 75
Unity .....	225	4-0	V	14	4	18	18	1	...	...	...	4,189	4,189	1,984 50	1,234 50	3,210 00
Ingleside .....	235	4-0	V	57	7	64	224	5	2	...	...	48,906	48,906	23,372 39	16,041 31	39,413 70
First Avenue .....	265	4-0	V	35	8	43	221	6	2	9,857	6,108	18,215	34,180	22,013 75	9,135 30	31,149 05
Diamond .....	256	4-0	V	22	5	27	253	4	...	7,920	4,484	3,714	16,118	9,727 51	7,835 37	17,562 88
Totals .....	.....	.....	.....	161	30	191	.....	19	4	24,774	14,098	82,021	120,893	\$70,318 15	\$39,262 23	\$109,580 38

## VERMILION COUNTY.

Buckeye .....	165	6-0	VI	90	8	98	193	11	9	42,897	34,196	14,136	91,229	\$52,998 79	\$22,642 21	\$75,641 00
Brouillett's Creek No. 3 .....	245	6-0	VI	97	8	105	108	8	4	29,606	44,850	63,660	138,116	64,250 66	15,049 45	79,300 11
Brouillett's Creek No. 4 .....	45	4-10	VII	130	9	139	200	11	4	26,065	18,000	140,867	184,932	85,994 85	17,616 55	103,611 40
Brouillett's No. 5 .....	85	4-10	VII	125	6	131	158	2	...	12,415	2,065	36,180	50,660	25,517 59	8,091 19	33,608 78
Prince .....	130	4-10	VII	139	12	151	222	15	4	25,398	20,715	83,355	129,468	76,195 12	33,683 06	109,878 18
Torrey No. 4 .....	285	6-0	VI	97	10	107	225	12	14	.....	.....	91,208	91,208	50,384 90	24,674 20	75,059 10
Eureka (see Note 2) .....	110	5-0	Via VI	9	2	11	270	2	4	.....	.....	15,148	15,148	5,022 12	2,924 88	7,947 00
Oak Hill .....	40	4-10	VII	125	6	131	158	8	...	12,415	2,065	36,108	50,588	25,517 59	8,091 19	33,608 78
Willow Grove (new mine, no rep't)	176	6-0	VI	Working fewer than	ten	men.	.....	69	39	148,796	121,891	480,662	751,349	\$385,881 62	\$132,772 73	\$518,654 35
Totals .....	.....	.....	.....	812	61	873	.....	69	39	148,796	121,891	480,662	751,349	\$385,881 62	\$132,772 73	\$518,654 35

# WARRICK COUNTY.

Star No. 1.....	100	4-4	V	46	7	53	159	6	2	.....	.....	36,534	36,534	\$16,473 15	\$7,086 55	\$23,559 70
Star No. 2.....	110	4-4	V	22	8	30	.....	2	.....	.....	.....	14,649	14,649	3,222 55	6,326 01	9,548 56
Air Line.....	100	5-6	V	16	3	19	118	2	.....	4,120	2,077	2,197	8,394	3,572 60	938 68	4,511 28
Chandler.....	120	5-0	V	20	3	23	83	3	.....	1,788	655	3,490	5,933	2,940 0+	4,185 00	7,125 00
Big Four.....	*	7-0	V	32	7	39	220	4	2	.....	.....	32,356	32,356	15,402 02	4,921 30	20,323 32
Caledonia.....	†	7-0	V	38	7	45	210	4	4	.....	919	743	20,000	21,662	11,901 13	3,931 97
DeForest.....	65	7-0	V	24	3	27	176	2	.....	5,131	2,819	5,587	13,537	5,456 89	1,771 48	7 228 37
Goslee.....	87	4-4	V	Work in	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals.....	.....	.....	.....	198	38	236	.....	23	8	11,958	6,294	114,813	133,065	\$58,968 34	\$29,160 99	\$88,129 33

Totals in Block Coal Machine Mines.....	.....	.....	.....	634	83	717	.....	70	22	284,513	51,594	12,896	349,033	\$247,493 80	\$161,827 12	\$409,320 92
Totals in Bituminous Machine Mines.....	.....	.....	.....	1,852	267	2,119	.....	272	50	549,498	392,334	585,151	1,526,983	649,831 46	445,022 04	1,094,853 50
Totals in Block Coal Hand Mines.....	.....	.....	.....	1,707	145	1,852	.....	138	31	932,116	136,068	94,911	1,163,085	620,243 95	244,389 56	864,633 51
Totals in Bituminous Hand Mines.....	.....	.....	.....	4,685	535	5,200	.....	452	171	997,915	572,552	1,673,515	3,243,982	1,675,248 24	799,287 09	2,474,535 33
Grand totals.....	.....	.....	.....	8,858	1,030	9,888	.....	932	274	2,764,042	1,152,548	2,766,473	6,283,063	\$3,192,817 45	\$1,650,525 81	\$4,843,343 26

NOTE 1. The sign \* indicates mines that are worked by slope.

NOTE 2. The sign † indicates drift mines.

NOTE 3. A great many of the machine mines reported work a number of pick men, but it was found impossible to have the product of machine and pick men reported separate.

## COAL TRADE AND MINING CONDITIONS.

The condition of the coal trade in general has been better for the year 1900 than ever before in the history of the State. The activity in the investment of capital in this industry during the year just ended has likewise been unparalleled. In the year of 1899, only nine new mines were reported, while last year there was an enrollment of thirty-two additional mines, and only two mines abandoned, making a net increase for the year of thirty mines and being the largest increase therein of any year on record. With the seven new mines now ready for enrollment, the total enrollment of mines, exclusive of small mines to which the mining laws have no application, is one hundred and sixty-one.

The total number of tons of coal produced during the year 1900 is 6,283,063, exceeding the production of the year 1899 by 443,150 tons, or over seven and one-half per cent. This increase in production may surprise many persons engaged in this industry, as, in many localities, the mines were operated fewer days than in 1899. It will be remembered that during the summer of the last named year the mines south of the Baltimore and Ohio Southwestern Railroad were more or less involved in strikes, some of the larger mines of that coal field being practically idle for about six months, while in 1900, there was very little loss of time from this cause in any part of the State. This is the most important factor of this increase in production. The records of this Department show also that a larger number of men were engaged in this industry during the past year than in any previous year. The increase in the number of mines, too, contributed to the increase of production, though, as a rule, a new mine is not a large producer during the first year of its operation. The increase in the capacity of mines by reason of the use of improved machinery and appliances, such as electric haulage and mining machines, has also influenced production.

Judging from present prospects, there will be a considerable number of new mines opened in this State within the ensuing year, and the indications now are, that there will also be an increase in the production of coal. Much depends, however, upon the action of the joint convention of miners and operators, as to whether they will arrive at a satisfactory agreement for this year. It was said at the miners' convention, held at Indianapolis in January, that coal from Indiana had encroached upon and displaced last year 600,000 tons of Illinois coal in the Chicago market. If this statement be true, taking into consideration the fact that in parts of Illinois a lower

rate is paid for mining coal than in Indiana, that in no part of that State does the mining rate exceed the rate in this State, and that the distance is greater and the freight rate higher from the Indiana coal fields to the market than from those of Illinois, it is a high compliment to Indiana coal and indicates that this coal is superior to the coal of Illinois, and that it will probably continue to absorb more and more of the market now supplied by that coal.

Mine work in this State during the past year, taking the State as a whole, has been better than in 1899, but has been more distributed, both as to time worked and the number of mines affected. In 1899, a large number of mines lost a great deal of time by reason of strikes and disagreements, inuring to the benefit of the mines not so involved. Especially is this true of the coal field of the southern part of the State. While the mines in the central coal region of Indiana have not been operated as steadily last year as in 1899, especially in the Linton field, the mines in the southern coal field have been run a great many more days in 1900 than in the former year. Considering all conditions, mine workers are enjoying greater prosperity than ever before in the history of that industry. Gratuitous labor, called by the craft "dead work," has practically been abolished, being now performed by persons employed for that purpose; the hours of labor were never so short as now; and, considering the improved appliances and methods of mining, the wages now paid are higher than ever before, as will be seen by a reference to the wage tables in the reports of this department. Take for example the years 1899 and 1900. These tables disclose the fact that, while the aggregate tonnage for the latter year only exceeded the former by 443,150 tons, or seven and one-half per cent., the aggregate wages paid during the latter year exceeded that paid during the former year by \$1,042,371, or approximately twenty-seven and one-half per cent., a net increase in the aggregate wages paid of twenty per cent. in one year. This increase in wages has not been confined to any particular class of mine workers, but extends to all kinds of such labor. A comparison of the agreement, as to prices, between the miners and operators for 1899, published in the last year's report of this department, and their agreement therefor for the past year, which is given below, will further verify this statement of increase of wages.



## TERRE HAUTE AGREEMENT.

APRIL 1ST, 1900, TO APRIL 1ST, 1901.

Pursuant to an agreement made between the Coal Operators and United Mine Workers of America, of Illinois, Indiana, Ohio and Pennsylvania, made at Indianapolis, February 2, 1900, the price of mining for bituminous coal in the State of Indiana shall be 80 cents per ton of 2,000 pounds, for screened lump coal, made over a standard screen, and 49 cents per ton of 2,000 pounds for run of mine. That further details in scale of prices for pick and machine mining in the State of Indiana for one year, beginning April 1, 1900, shall be as follows:

## PICK MINING.

(Yardage.)

In entries 7 to 9 ft. wide, \$1.66.

In entries 12 ft. wide the price shall be five-eighths of the regular price, or \$1.03½. Entries shall not exceed 12 ft., it being understood that this applies to entry work only.

## BREAK THROUGHS.

Break throughs and entries shall be paid for at entry prices. Break throughs between rooms when sheared or blocked shall be paid for at entry prices, but no break throughs shall be driven without the consent of the operators. Nothing herein shall interfere with the law governing break throughs.

## ROOM TURNING.

Room turning, \$4.00.

Room necks to be driven 12 ft. in and widened at an angle of 45 degrees when so desired by the operator. Any distance in excess of above shall be paid for proportionately. When room necks are driven 12 ft. wide, price shall be five-eighths of regular price, or \$2.50.

## MACHINE MINING.

In entries 7 to 9 ft. wide, \$1.19.

In entries 12 ft. wide five-eighths of price for narrow entries, or 74c. Narrow work after Punching Machines shall be sheared when demanded by the operator. Narrow work after the Chain Machine must be done in a workmanlike manner.

## BREAK THROUGHS.

Break throughs between entries, same as entry prices. Break throughs between rooms shall be paid for at same price when similarly driven. This applies to width and not method of mining.

## ROOM TURNING.

Room turning, \$3.00.

Room necks to be driven 12 ft. in and widened at an angle of 45 degrees when so desired by operators. Any distance in excess of above shall be paid for proportionately. When room necks are driven 12 ft. wide price shall be five-eighths of regular price, or \$1.87.

## DAY WORK FOR PUNCHING MACHINES.

Machine cutting when paid for by the day shall be, for—

Machine runner .....	\$2 82
Helper .....	2 22

## DAY WORK, CHAIN OR CUTTER BAR MACHINE.

When paid for by the day shall be for machine runner..\$2 67½

Helper ..... 2 67½

Day work by machines shall apply only to defective work such as horse back, etc.

## PRICE PER TON FOR MACHINE MINING.

## FOR PUNCHING MACHINE.

Screened Lump.—Runner, 9c; Helper, 8c; Loading, Shooting and Timbering, 45c; Total, 62c.

Run of Mine.—Runner, 5¼c; Helper, 5¼c; Loading, Shooting and Timbering, 28c; Total, 39c.

## FOR CHAIN MACHINE.

Screened Lump.—Runner, 5¼c; Helper, 5¼c; Loading, Shooting and Timbering, 48c; Total, 58½c.

Run of Mine.—Runner, 3¼c; Helper, 3¼c; Loading, Shooting and Timbering, 30c; Total, 36½c.

Shovels shall be furnished by the operators, but when replaced the old shovels must be returned, and in case of careless breaking, or destruction by the miner, he shall pay for the shovel so destroyed.

## BLACKSMITHING.

Price of blacksmithing shall be 1¼c on the dollar. Sharpening shall be done in a workmanlike manner and men shall not have to wait for their tools.

## DAY LABOR

As provided in the Indianapolis agreement the advance on inside day labor shall be 20 per cent., based on the present Hocking Valley and Columbus inside day labor scale, with the exception of trappers, whose compensation shall be \$1.00 per day.

## GENERAL.

1. Where the coal is paid for mine run or screen coal basis, it shall be mined in a careful and workmanlike manner, and when loaded on the miner's car it shall be as nearly as possible free from slate, bone coal or other impurities. When a miner shall load and send out less than 5 per cent. of impurities in one car of coal he shall be docked the amount of impurities so sent out. Whenever he shall send out 5 per cent. or more of impurities in one car he shall be docked the amount of impurities so sent out, and shall be laid off from work for one day. Whenever he shall send out two cars on the same day, each containing 5 per cent. or more of impurities, he shall be docked the amount of impurities and laid off for two days. Whenever he shall send out three such cars in one day he shall be docked the amount of the impurities and laid off six working days.

2. The semi-monthly pay shall continue until the constitutionality of the law providing for weekly pay shall have been passed upon by the Supreme Courts of Indiana and of the United States.

3. The time of beginning work in the morning and the length of intermission at noon shall be considered a local question.

4. That the above scale is based upon an eight-hour work day; that it is definitely understood that this shall mean eight hours' work at the face exclusive of the noon time; six days in the week or 48 hours in the week, and that no local ruling shall in any way deviate from this agreement, or impose conditions affecting the same, but any class of day labor may be paid at the option of the operator for the number of hours and fraction thereof actually worked at the hour rate, based on one-eighth of the scale rate per day, provided that when men go into the mine in the morning they shall be entitled to two hours' pay whether the mine works or not, as provided in the above agreement for inside day labor; providing, further, that overtime of day labor shall be paid for at the same rate per hour.

5. Inside day work may be done upon idle days, and in case of emergency, on overtime.

6. Whenever any laborer working by the day in the mine shall become dissatisfied with his work or the price thereof, and shall demand that he be given work at mining coal within the mine, his demand for this change of labor shall only be acceded to by the operator after three days' notice of his desire to change, or in case other men can be obtained who will do this work in a satisfactory manner at the price herein agreed upon. Concerted action on the part of any class of labor in demanding a change of this nature shall not be granted, but shall be deemed a violation of this agreement.

7. It is agreed that if any difference arises between the operators and the miners at any mine a settlement shall be arrived at without stopping of work. If the parties immediately affected can not reach an agreement between themselves the question shall be referred without delay to a board of arbitration consisting of two operators selected by the operators interested, and two miners selected by District No. 11 of the United Mine Workers of America. In the event of these four being unable to reach a decision they shall select a fifth man, and the decision of the board so

constituted shall be final, but no miner or operator interested in the difference shall be a member of such board.

8. The duties of the Mine Committee shall be confined to the adjustment of disputes between the mine boss or superintendent and any of the members of the United Mine Workers of America working in the mine. In case they fail to agree they shall proceed to adjust the trouble by the selection of an arbitration board as provided in article 7 of this agreement. The Mine Committee shall have no other authority nor exercise any other control nor in any other way interfere with the operation of the mine.

9. That under no circumstances will the operator recognize or treat with the Mine Committee or any representative of the United Mine Workers of America, during suspension of work, contrary to this agreement.

10. The operator shall have the privilege of working a night shift for cutting coal with machines. All men so employed shall be paid 25 cents extra for each eight hours' work at night, in addition to the scale price per ton.

11. Work on driving entries and drawing pillars may be by double shift at the option of the operator.

12. It is further agreed that the operators shall offer no objection to the check-off for checkweighman and for dues for the Federation, provided that no check-off shall be made against any person until he shall have first given his consent in writing to his employer. This applies to all underground day work as well as miners.

W. D. VAN HORN,

President U. M. W. of A., District No. 11.

Attest: J. H. KENNEDY,

Secretary U. M. W. of A., District No. 11.

J. SMITH TALLEY,

President Bit. Coal Op. Assn. of Ind.

Attest: A. D. SCOTT,

Secretary Bit. Coal Op. Assn. of Ind.

#### LABOR TROUBLE.

As indicated in another part of the report, the past year has been remarkable for the absence of labor troubles, there being but one strike of a serious nature; that is, the engineers' strike. During the month of November, 1900, the Brotherhood of Hoisting Engineers held its annual convention at Springfield, Illinois, and, among other things, adopted a scale of prices and conditions for the government of hoisting engineers in Indiana and Illinois. In pursuance of the action of that convention, the hoisting engineers of the State of Indiana demanded from the operators of the State that, at mines hoisting five hundred tons of coal per day or more, there should be three engineers employed; that, at mines hoisting two hundred tons of coal per day, there should be two engineers employed, and

that, at mines hoisting fewer than two hundred tons of coal per day, there should be one engineer employed; that where three engineers were employed, the price paid for the services of such engineers should be \$65.00, \$75.00 and \$90.00 per month, respectively, which, to the highest class of engineers, meant an increase in wages and a reduction of working hours. The operators refused to comply with this demand. In the counties of Vermillion, Parke, Vigo, Clay, Sullivan and Greene, the engineers, with but few exceptions, quit work, and for a time, it appeared as if the whole State would be involved in the strike; but, after a tie-up of the mines for six or eight days in the section mentioned, the engineers resumed work, without having received any concessions to their demand.

The following December, the miners in the Linton coal field demanded of the engineers that they join the organization of United Mine Workers of America, which, in effect, meant the destruction of the organization of the engineers. The engineers refused to comply with the request, and the miners in this coal field struck for the purpose of enforcing their demand, no other part of the State being involved. After a week of idleness, the miners resumed work pending an adjustment of the controversy at the next national convention of the United Mine Workers, when it is hoped a satisfactory agreement will be reached.

In addition to the above troubles, there have occurred numerous small strikes, usually involving only one mine, and seldom resulting in more than from one to four days' loss of time, none of them being of sufficient magnitude to justify special mention.

TABLE

*Showing the Production of Coal in Tons of 2,000 Pounds in Indiana During the Year 1900, at Mines Employing More Than Ten Men, by Months and by Counties.*

COUNTY.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Clay.....	122,137	116,083	123,194	139,848	148,785	114,463	88,238	103,242	110,195	113,648	197,656	119,793	1,497,677
Daviess.....	23,534	26,916	29,116	8,988	17,014	16,063	17,369	19,908	20,835	23,549	29,404	21,334	254,030
Fountain.....	3,276	3,437	3,537	1,837	2,206	4,189	4,848	4,260	4,258	3,596	2,387	3,809	41,640
Gibson.....	7,398	6,947	7,532	87	1,019	1,998	2,845	3,749	5,214	7,544	7,953	7,134	59,420
Greene.....	77,375	70,114	59,678	32,448	70,688	49,174	59,491	48,854	59,320	64,597	65,408	89,333	746,483
Knox.....	3,316	7,110	6,005	8,860	2,842	3,462	2,776	3,049	4,654	5,033	6,056	6,273	59,382
Martin.....	687	456	579	487	843	537	554	658	810	944	717	994	8,266
Parke.....	85,552	63,888	60,742	22,478	61,121	34,439	44,644	55,420	57,956	66,315	63,085	64,324	679,024
Perry.....	2,343	1,839	3,835	2,612	2,488	2,641	1,416	1,613	Strike.	906	912	2,885	23,480
Pike.....	25,044	18,989	25,706	12,985	11,895	12,921	14,006	10,824	28,764	28,222	33,167	27,281	249,804
Sullivan.....	87,696	78,940	42,078	34,874	47,319	39,720	29,027	70,686	70,574	82,917	66,118	98,729	748,678
Vanderburgh.....	16,705	16,595	15,167	10,934	8,553	8,570	11,553	14,322	17,195	18,475	17,580	17,363	172,562
Vermillion.....	57,489	65,927	71,748	89,031	65,841	38,310	45,506	45,519	65,272	70,897	63,558	72,251	751,349
Vigo.....	40,005	45,626	28,002	39,114	26,795	38,594	46,069	54,310	65,157	68,109	160,002	162,117	809,884
Warrick.....	21,496	17,177	16,045	13,873	10,927	8,567	10,466	13,551	16,263	17,229	18,211	17,579	181,384
Total.....	620,053	540,044	492,964	417,464	477,541	403,638	288,811	359,965	442,576	391,881	581,281	611,199	6,283,063
Estimated output of small mines.....													74,913
Grand total.....													6,357,916



## NEW MINES.

During the year 1899, several new openings were made and partially equipped, from which some little coal was mined and sold to local trade; the number of persons employed, however, being too small to bring them under the law requiring inspection, no mention of them was made in the report for that year. The following is a description of these and all other new openings made during the year 1900, which are now subject to the mining laws of Indiana.

## CLAY COUNTY.

## GIFFORD MINE.

This mine is owned and operated by the Collins Coal Co., and is situate on the old Gifford farm three miles west of Brazil. This is one of the most desirable mining properties in Clay County, having an area of about fifteen hundred acres of coal land underlain with a seam of bituminous coal averaging four and one-half feet thick, the quality of which is said to be equal to the best Brazil block coal. The roof is hard black slate lying very uniform, and the bottom is a very hard fire clay.

The shaft was sunk and equipped in 1899 by Thomas Watson, who operated it on a small scale during that year, the product going to supply local trade in Brazil and surrounding country. The present company was organized during the past summer and built a switch one and three-fourths of a mile long to the mine from the C. & I. C. R. R., completing it about September 1st. Since that time the mine has been developed very rapidly, and at last report employed seventy-six miners.

## JACKSON COAL AND MINING CO.'S CORNWELL MINE.

This mine is located one-half mile east of Cardonia on a coal switch on the north branch of the Vandalia R. R. The top and bottom block seams are both worked at this mine. The shaft was sunk to the top vein in the fall of 1899, the mine was equipped and commenced shipping coal in January, 1900, and the work of sinking to the lower vein was completed some time in September. The company is now sinking the second outlet or man-way.

## FORTNER MINE.

This mine is owned and operated by C. Ehrlich. It is located on the site of the old Fortner or Fox Den Mine, which was worked out and abandoned in 1897. The coal seam worked is bituminous and of



good quality, ranging from three and one-half to four feet thick, and is reached by a shaft one hundred and thirty-eight feet deep. The shaft was sunk and partially equipped in 1899, but no coal of any note was mined until January of the following year. At present the mine employs about forty-five persons.

#### EUREKA NO. 4 MINE.

The Eureka No. 4 Mine is located one-fourth mile east of Carbon on the Big Four R. R., and is a part of the workings of the old Chicago Mine, which burned down in 1891. At that time the Chicago Mine was owned by the Brazil Block Coal Co., and, as it was thought to be nearly worked out, they did not rebuild it, but later sold the property to the Eureka Block Coal Co., which owned the adjacent coal lands. The latter company commenced to sink in the fall of 1899, and completed the shaft to the top vein in the spring of 1900. Very little coal was mined, however, until the following September. Since that time about forty miners have been employed and the mine has a capacity of about 200 tons per day. The work of sinking to the lower vein has lately been completed, and the company is now taking out the water preparatory to working both seams, which are said to be an excellent quality of block coal.

#### LAWTON MINE.

The Lawton Mine is located one-half mile south of Fontanet on a coal switch from the Diamond Mine switch and is a new addition to the Coal Bluff Mining Co.'s mining property. It was completed and ready for shipping coal in the latter part of December, 1900.

#### GLEN MINE.

This mine is located one and one-half miles east of Coal Bluff on the C. & I. C. R. R., and is also owned by the Coal Bluff Mining Co. Sinking was commenced in August, and the mine was completed and ready for operation about the same time as the Lawton Mine. Information regarding both of these mines is very meager, owing to there having been no reports nor any inspections made of either of them.

#### DAVIESS COUNTY.

##### BLACK DIAMOND MINE.

This mine is owned by the Black Diamond Coal Co., and is located about one mile south of Washington near the Petersburg Rock Road. It was opened in 1899, but was worked only on a very small

scale during that year and a greater part of 1900. The first report made to this office was for the month of November. At that time fifteen persons were employed. The product of this mine is sold only to local trade.

#### GREENE COUNTY.

##### WILD CAT MINE.

The Wild Cat Mine is owned and operated by the L. T. Dickerson Coal Co., and is located near the corporate limits of the town of Linton on the northwest side thereof. This is an extra well equipped mine for handling coal, having double first motion engines, self-dumping cages and other modern appliances. Ground was broken in sinking the shaft last April, and the output of the mine for December reached a capacity of more than six hundred tons per day. This rapid development indicates that it will be one of the largest coal producers in the State within a very short time. The second outlet, or man-way, is now nearly finished, and the mine will then be in compliance with all the requirements of the law.

##### ISLAND VALLEY NO. 2 MINE.

This mine is located four miles west of Linton on the I. & V. Branch R. R. It was opened by the Island Valley Coal Co. in 1899, but for some reason it was not equipped, nor was the mine switch laid, until September, 1900. The vein worked here is "Coal VI," which averages five and one-half feet thick and is exceptionally free from faults and impurities which characterize this coal seam. An inspection of the mine was made during the month of November, and it was found to be in good condition, employing about forty persons.

##### ISLAND VALLEY NO. 3 MINE.

The Island Valley No. 3 Mine is also owned and operated by the Island Valley Coal Co. It is located two and one-half miles southwest of Linton on a coal switch three-fourths of a mile long connecting with the S. I. R. R. The shaft was sunk in the latter part of 1899, and the company began shipping coal in March, 1900. Two inspections have been made of this mine within the past year, one in the month of March and the other in September, at which time the mine was found to be in good condition.

## BLACK CREEK MINE.

The Black Creek Mine is located northwest of Linton one and one-half miles, on a coal switch from the S. I. R. R. This is an electric machine mine, the equipment of which is very complete, having double first motion hoisting engines of the latest improved pattern, self-dumping cages and all other conveniences incident to the handling of a large output of coal. The mine possesses many advantages not common in all mines. As a result of considerable drilling, the shaft was located and sunk in a basin, the main entries rising both north and south from the shaft bottom, thus affording natural drainage as well as the additional advantage of a down-hill haulage, which are two of the most important factors in the production of coal. The seam mined is "Coal IV," which averages about four feet nine inches in thickness overlain with a hard gray slate roof of excellent quality, and has a very hard sand-grit bottom.

## HOOSIER MINE.

This mine is owned and operated by the Hoosier Coal Co., and is located about two and one-half miles northwest of Linton on a coal switch from the S. I. R. R. The company was organized in June, 1899. The shaft was located and sinking begun October 7th following. Coal IV was found at a depth of one hundred and thirty-three feet, but had so changed in formation and general appearance that it was not believed to be "Coal IV." This coal, as shown in another part of this report, has an average thickness of five feet at nearly all of the Linton mines, also a gray shale roof; while at the Hoosier Mine, the coal thins to three feet seven inches and the roof changes to a hard sandstone. The bottom, though somewhat harder, is of the same character as that found in the Linton mines. This sudden change in conditions puzzled the mine management as well as many others, and they finally decided that "Coal IV" would be found at a lower depth. The shaft was then sunk to what is now admitted to be "Coal III." The coal here was six and one-half feet thick, but was divided into two benches by a band of "white top" or "sand clod," one foot of coal overlying the "clod" and five and one-half feet of coal beneath it. An effort was made to open and work the lower bench of this seam, but it was found impossible to hold the "clod" for roof, and the expense of handling three and one-half feet of dirt would be so great that the coal could not be mined and marketed in competition with more cheaply produced coal. They abandoned this seam July 1st, 1900, and began developing the top vein. An in-

spection was made in December. At that time considerable entry had been driven and several rooms turned, and there were about twenty-five persons employed in the mine. Mining is done by electric chain machines, and the mine is exceptionally well equipped for handling a large output of coal.

#### KNOX COUNTY.

##### THE KNOX COUNTY COAL CO.'S MINE

The Knox County Coal Company was organized in the spring of 1900 and has opened an excellent mining property known as the Knox Coal Mine, located one mile west of Bicknell on the main line of the I. & V. R. R. The seam mined here is "Coal VI" and averages four feet four inches in thickness, which is somewhat thinner than this seam is usually found, but it is said to be of extra good quality. The shaft is seven feet eight inches by fifteen feet in size and one hundred and three feet deep. No expense has been spared in equipping it as a first-class mine. The coal will be mined by hand for the present, but it is said that the company is seriously considering the advisability of using electric mining machines in the near future.

#### PIKE COUNTY.

##### ABERDEEN MINE.

The Aberdeen Mine is located five and one-half miles east of Oakland City on a coal switch from the Air Line R. R., and is owned and operated by the Aberdeen Coal Co. The shaft is eight by sixteen feet in size and forty-one feet deep; the seam mined is "Coal IV" and is said to be equal in quality to the best bituminous coal in the State. Mining at present is done by hand, about forty-two miners being employed, but the company is now making arrangements to put in electric machines.

##### ALDEN MINE.

This mine is owned and operated by the Alden Mining and Mercantile Co., and is located one mile from the railroad south of the town of Winslow. The coal tippie is built on a railroad siding within the corporate limits of Winslow and the coal is hauled from the mine to the tippie over a tram road. The seam mined is very similar to that mined at Ayrshire No. 3 Mine, though the vein is six or eight inches deeper than at the Ayrshire. The mine was opened in 1899 and worked as a wagon mine, the product being sold to local trade.

The tram road was built during the summer of 1900, and it became a shipping mine in October. On inspection December 12th, it was found in good condition, employing fourteen persons.

#### AYRSHIRE NO. 4 MINE.

This is a new addition to the David Ingle Coal Co.'s coal properties, and is situate about one mile east of their No. 3 mine. The mine is opened by a drift and is exceptionally well located, having good drainage, excellent roof and bottom. The coal seam is about four feet eight inches thick and in quality is about the same as that of No. 3, which is said to be the best bituminous coal in Indiana. The work of opening the mine was commenced in June, 1900, and shipping was begun in September following. An inspection was made December 12th, when the mine was found to be in good condition and employing twenty-five persons.

#### JAXON MINE.

This mine is worked by a slope and is located about half way between Sophia and Ayrshire on a coal switch from the Air Line R. R. It was opened in the latter part of 1899 by William Jackson and began shipping coal January 1st, 1900. Jackson continued operating it until the following June, when he sold the property to David Ingle. At the time the last inspection visit was made (December 12th, 1900), the mine was found idle. At that time it furnished employment to about thirty persons.

#### PERRY COUNTY.

##### SULPHUR SPRINGS MINE.

This is a small mine owned and operated by the American Cannel Coal Co., and is located in the hill back of Cannelton. The mine is worked by a slope and furnishes employment for from about twelve to fourteen miners. The product is sold to local trade in the city of Cannelton and the surrounding country.

#### SULLIVAN COUNTY.

##### PHOENIX NO 3 MINE.

This mine is located one-half mile west of Phoenix No. 1 Mine, and is owned and operated by the New Pittsburg Coal and Coke Co. The mine is opened by a slope some three hundred feet in length, up which the coal is hoisted by rope. Mining is done here partly by

hand and partly by machines, the Harrison Compressed Air Puncher (three in number) being used; the power is furnished from No. 1. The mine employs about forty persons and has a capacity of two hundred and fifty tons per day.

#### PHOENIX NO. 5 MINE.

This mine is also owned and operated by the New Pittsburg Coal and Coke Co., and is located one-half mile north of No. 3. It is worked by slope, the hoisting being done with a third rail sprocket motor. The mining is done here entirely by machines of the same style as those used in No. 1 and No. 3, and like No. 3, the power is furnished from No. 1.

#### VIGO COUNTY.

##### GLEN OAK MINE.

The Glen Oak Mine is owned and operated by the Torrey Coal Co., and is located one-half mile south of Grant on a coal switch from the C. & I. C. R. R. The seam mined is "Coal VI," and has an average of six and one-half feet in thickness. It is worked by a shaft eight by sixteen feet in size and fifty feet deep. It is the intention of the company to develop a mine here whose capacity will be second to none in the State. The shaft was commenced in July and was completed and equipped with the mine switch laid ready to ship coal in the latter part of September. About twenty miners were employed driving entry until September 15th, when the mine suspended operations for the purpose of putting in electric chain mining machines. Two machines are in use at present, but this number will be increased as the mine is developed.

##### RED BIRD MINE.

This mine is owned and operated by the Fanore Coal Co., and is located one mile west of West Terre Haute on the Vandalia R. R. The shaft is ninety feet deep and six by seventeen feet in size. The coal seam worked is "Coal VI" and is of an average thickness of six feet. The shaft was commenced in April, 1900. The company began shipping coal in October following. At last report they were employing twenty persons.

##### CHICAGO MINE.

The Chicago Mine is owned and operated by the Pfaelzer Coal Co., and is located one mile east of Coal Bluff on the C. & I. C. R. R. This is a mine worked by a slope opened to "Coal VI," which averages about five and one-half feet thick.

The first report made from the mine was for the month of June. At that time forty-three persons were employed. The December report, however, shows this force to have been increased to seventy-one, and the daily capacity of the mine is about three hundred tons.

#### KOCH MINE.

This mine is owned and operated by George Koch. It is a small slope mine located a short distance south of Coal Bluff on the C. & I. C. R. R. The mine has just recently employed a sufficient number of miners to bring it under the law. The first report made to this office was for the month of November. At that time eighteen persons were employed.

#### ROYAL MINE.

This mine has lately been sunk and equipped by the Seelyville Coal and Mining Co. The first report was made from it to this office for the month of November. They have also completed another new mine in the vicinity of Seelyville, which will report for December. No inspections, however, have been made of either of these mines; therefore information regarding them is very meager.

#### VERMILLION COUNTY.

##### OAK HILL MINE.

The Oak Hill Coal Co. was organized in 1899, and began sinking the shaft in the fall of that year. The shaft was completed, equipped and commenced shipping coal in March, 1900. The shaft is situate about half-way between the Brouillet's Creek Nos. 4 and 5; the coal seam mined is "Coal VII," or what is known through the Clinton field as the top vein. Two inspections were made of the mine in 1900, and it was found in excellent condition at both visits. A second outlet or man-way has been provided by means of a slope, which places the mine in compliance with the law in every respect.

##### BROUILLET'S CREEK NO. 5 MINE.

This mine was opened during the year 1900. It is located about three-fourths of a mile south of their No. 4 mine. The shaft was commenced in the spring of 1900, completed and began shipping coal in October following. An inspection made that month found the mine in good condition.

## WARRICK COUNTY.

## BIG FOUR MINE.

This mine is owned and operated by the Big Four Coal Co., some of whose members were the former operators of the Gough Mine, which was worked out and abandoned early in 1899. This company was organized in 1899 and began opening the Big Four Mine in the fall of that year. The work of sinking the slope was completed and the mine equipped ready to ship coal by January 1st, 1900. The mine is located one-half mile east of Boonville on the Air Line R. R. and is the largest producer in that part of the State. At the last report, it furnished employment to forty-one miners.

## ABANDONED MINES THAT WERE REOPENED IN 1900.

## THE RODGERS MINE.

This, probably, is the oldest mine in Pike County, having been opened, as near as could be learned, about the year 1870 by the Rodgers Brothers, who operated it until 1881, when for reasons unknown, it was abandoned and allowed to fill with water. It is said that the pumps, mine cars, track and everything was left in the mine the same as when it was in operation. The S. W. Little Coal Co. leased the property in November, 1899, and began taking out coal from the old drift which had been used as a second outlet or man-way when the shaft was in operation. Since that time they have drained nearly all of the water out of the hoisting shaft by means of a ditch some twenty-two feet deep and one-fourth of a mile long, connecting with the old water shaft and extending across the low ground west of it. It is thought that, after the water is taken out of the shaft, they will rebuild the tippie and equip the mine anew.

## THE PETERSBURG MINE.

The Petersburg Mine near Petersburg in Pike County, abandoned by the J. Wooley Coal Co. in 1898, was re-equipped by the same company in the spring of 1900, and it is now being operated with fairly good success.

## THE GOSLEE MINE.

The Goslee Mine, in Warrick County, near Chandler on the Air Line R. R., abandoned in 1890, was re-opened and equipped by J. S. Goslee about September, 1900.



**THE LYFORD No. 2 MINE.**

This mine was burned down in 1896 and has remained idle since that time. The present company, the Wabash Valley Coal Co., began cleaning it up in October, 1900, and will have it ready for operation, February 1st, 1901.

**ABANDONED MINES.**

The following named mines were exhausted and abandoned in 1900:

**THE LOUISE MINE.**

Located near Center Point in Clay County, owned and operated by the Crawford Coal Co., was abandoned in June of the above year.

**THE SAN PEDRO MINE.**

Located near Staunton in Clay County, owned and operated by the Jos. Sommers Coal Co., was abandoned about August 1st, 1900.

**WILSON'S No. 4 MINE.**

Located at Washington, Daviess County, was abandoned in the latter part of June on account of water coming into the mine from the old Sulphur Springs Mine, into which the workings of No. 4 were driven about that time.

**THE STURM MINE.**

Located at Silverwood in Fountain County, owned and operated by the Silverwood Coal Co., reduced its force to less than ten men who were employed drawing pillars, preparatory to abandoning the mine.

TABLE.

*Names of Mines Using Mining Machines, Number and Kind of Machines Used, and Geological Numbers of Coal Seams Mined ; Also Those in Which the Different Kinds of Mechanical Haulage is Used, Giving the Number and Kind of Motors in Use, and the Power by Which the Machines and Haulage is Driven ; Also the Estimated Cost of Machines and Haulage Equipments.*

NAME OF MINE.	Geological Number of Coal Seam.	Number of Machines.	Kind of Machines.	Power.	Cost.	Haulage.	Number of Motors.	Power.	Cost.
Brazil Block, No. 1 .....	IV	10	Chain .....	Electricity .....	\$15,000	3d rail motor .....	2	Electricity .....	\$3,500
Brazil Block, No. 8 .....	III	11	Chain .....	Electricity .....	24,000	3d rail motor .....	1	Electricity ...	2,050
Brazil Block, No. 11 .....	IV	7	Chain .....	Electricity, power from No. 8 ..	8,200	.....	.....	.....	.....
Diamond, No. 3 .....	III	4	Chain .....	Electricity, power from No. 5 ..	.....	.....	.....	.....	.....
Brazil Block, No. 10 .....	III	5	Chain .....	Electricity, power from No. 8 ..	5,450	.....	.....	.....	.....
Diamond, No. 5 .....	IV	4	Chain .....	Electricity .....	9,500	.....	.....	.....	.....
Briar Hill .....	IV	3	Puncher ..	Compressed air .....	7,100	.....	.....	.....	.....
Cabel, No. 9 .....	VI	3	Chain .....	Electricity .....	9,540	3d rail motor .....	2	Electricity .....	3,700
Island, No. 1 .....	IV	14	Puncher ..	Compressed air .....	14,000	Tail rope .....	.....	Steam .....	2,500
.....	.....	.....	.....	.....	.....	Tail rope .....	.....	Steam .....	3,000
Island, No. 2 .....	IV	15	Puncher ..	Compressed air .....	21,000	3d rail motor .....	1	Electricity .....	4,240
Summit, No. 2 .....	IV	6	Chain .....	Electricity .....	11,540	.....	.....	.....	.....
Hoosier .....	IV	1	Chain .....	Electricity .....	5,870	.....	.....	.....	.....
Black Creek .....	IV	3	Chain .....	Electricity .....	7,840	.....	.....	.....	.....

TABLE—Continued.

NAME OF MINE.	Geological Number of Coal Seam.	Number of Machines.	Kind of Machines.	Power.	Cost.	Haulage.	Number of Motors.	Power.	Cost.
Parke, No. 8 .....	VI	16	Puncher ...	Compressed air .....	23,000	Gravity, single rope. ....		Steam .....	1,300
		4	Chain .....	Electricity .....	8,000				
Cox, No. 3 .....	VI	16	Puncher ...	Compressed air .....	26,000	3d rail motor .....	2		3,600
Mecca, No. 1 .....	IV					Traction motor .....	1	Electricity .....	4,700
Brazil Block, No. 12 ..	III					3d rail motor .....	1		
	IV	9	Chain .....	Electricity, power from No. 8 ..	10,000				
	III								
Hartwell .....	V	1	Chain .....	Electricity .....	5,840				
Hymera .....	V	7	Chain .....	Electricity .....	11,000				
Phoenix, No. 1 .....	V	19	Puncher ...	Compressed air .....	26,000	Traction motor .....	1	Electricity .....	5,800
Phoenix, No. 3 .....	V	1	Puncher ...	Compressed air, power from No. 1	450				
Phoenix, No. 5 .....	V	2	Puncher ...	Compressed air, power from No. 1	900				
		1	Puncher.						
Star City .....	VI	8	Chain .....	Electricity .....	12,540	3d rail Spr'ket motor	1	Electricity .....	2,200
		3	Puncher.						
Shelburn .....	VI	2	Chain .....	Compressed air .....	15,000				
Dugger .....	VI	5	Chain .....	Electricity .....	9,000	3d rail motor .....	2	Electricity .....	3,900
Ingleside .....	VI	2	Chain .....	Electricity .....	5,500				
Jackson Hill, No. 1 .....	VI	14	Puncher ...	Compressed air .....	20,000				
Jackson Hill, No. 2 .....	VI	6	Chain .....	Electricity .....	11,540				
Bunker Hill .....	VI	3	Chain .....	Electricity .....	6,500				

Sunny Side .....	V	11	Puncher .....	Compressed air.....	20,000	.....	.....	.....	
Ingleside .....	V	2	Chain .....	Electricity .....	7,600	Tail rope .....	.....	Steam .....	2,500
						Tail rope .....	.....	Steam .....	1,000
Parke, No. 10 .....	VI	21	Puncher .....	Compressed air.....	25,000	3d rail motor .....	1	Electricity .....	1,850
Ray .....	VI	10	Puncher .....	Compressed air.....	14,000	.....	.....	.....	.....
Diamond .....	VI					Tail rope .....	.....	Steam .....	1,500
Glen Oak .....	VI	2	Chain .....	Electricity .....	6,540	.....	.....	.....	.....
Wooley Big Vein .....	V	5	Puncher .....	Compressed air.....	10,000	.....	.....	.....	.....
Chandler.....	V					Tail rope .....	.....	Steam .....	2,500
						.....	.....	.....	.....
Total.....		256			\$413,450	.....	15	.....	\$49,840

## IMPROVEMENTS.

There has been an unprecedented amount of improvements in the mines of the State in the past year, in the way of haulage plants, mining machines and other general improvements. The monthly reports from the various mines of the State show that the sum of \$56,424.50 has been expended for this purpose, and it is quite possible that a large amount of money has been expended in minor improvements of which no report has been made. The more important improvements and those involving large expenditures are noted herein.

The Diamond Block Coal Company of Clay County has installed electric mining machines at its No. 3 and No. 5 Mines, changing the value of these properties very considerably.

The Brazil Block Coal Company has equipped its No. 11 Mine in Clay County and its No. 12 Mine in Parke County with electric mining machines; the latter mine has also been furnished with a third rail motor haulage system.

The Mutual Mine, owned by the Mutual Mining Company, is located about one mile from the track of the B. & O. S. W. Railroad, in Daviess County. The coal from this mine was formerly conveyed to the railroad by means of a tramway; but the company has now built a switch to the mine and has also constructed a new tippie and made other improvements, facilitating the marketing of its coal.

The Island Coal Company has fully equipped its No. 2 Mine, in Greene County with a third rail motor haulage plant, which will, no doubt, increase the capacity of the mine as well as reduce the cost of the production of coal.

The Prospect Hill Coal Company, operating the Prospect Hill Mine in Knox County, has reconstructed the tippie and coal bins at the mine. The product is sold exclusively to local trade and marketed in wagons. The new improvements will greatly facilitate the loading of wagons, and thus increase the capacity of the mine.

The Parke County Coal Company has installed in its No. 10 Mine in Parke County electric mining machines, and has also equipped the mine with a third rail motor haulage.

The Phoenix No. 5 Mine in Sullivan County, owned by the New Pittsburgh Coal and Coke Company, has been equipped with the Morgan third rail sprocket motor for hauling the coal from the bottom of the slope to the tippie.

Crowder and Sexton, operators of the Bunker Hill Mine in Sullivan County, have fitted out the mine with electric mining machines and an electric pump. They have also rebuilt the tippie and installed new

Prox and Brinkman cages, putting the property in first-class condition.

The Indiana-Chicago Coal Company has placed a third rail motor haulage plant in the Dugger Mine in Sullivan County, placing it among the best improved mines in the State.

The Green Hill Coal Company has constructed a switch from the railroad to the Green Hill Mine in Sullivan County, owned and operated by it.

Mine No. 3, of the Brouillet's Creek Coal Company, located in Vermillion County, has a deep hoist. The company has installed new *Litchfield*, first motion, double engines of the latest improved patterns at this mine, and removed the old engine to its No. 5 Mine.

The Chandler Mine in Warrick County, owned by J. A. Brian, has been equipped with a tail rope haulage system and other improvements.

The S. W. Little Coal Company has improved its mine known as Little's, by rebuilding the tippie and equipping it with new Prox and Brinkman cages, putting it in condition for loading more coal.

The Sunnyside Mine in Vanderburgh County, owned by the Sunnyside Coal Company, has been improved by the building of several additions to the tippie for the purpose of facilitating the hauling of coal.

### EXAMINATIONS.

Examinations of applicants for certificates of competency to serve as mine bosses, fire bosses and hoisting engineers have been held in the city of Terre Haute at three different times during the year of 1900, and the following table gives the result of each examination:

DATES.	APPLICANTS.			PASSED.			FAILED.		
	M. B.	F. B.	H. E.	M. B.	F. B.	H. E.	M. B.	F. B.	H. E.
Terre Haute, March 21 .....	25	.....	27	15	.....	14	10	.....	13
Terre Haute, June 29 .....	8	.....	23	2	.....	9	6	.....	14
Terre Haute, October 16 .....	19	.....	19	12	.....	12	4	.....	5
Total .....	52	.....	69	29	.....	35	20	.....	32

The following is a list of the names and addresses of persons who passed at the above examinations, and to whom certificates of competency have been granted:

## MINE BOSSES.

John H. Crabb, Burnett.	Oscar Busler, Coxville.
James Peel, Cardonia.	Charles F. Hill, Coal Bluff.
Alec G. Murdock, Cardonia.	Thomas McCrae, Clinton.
Herman Rose, Littles.	Victor Allais, Montezuma.
James T. Jones, W. Terre Haute.	Ellis G. Hooper, Bicknell.
George R. Moore, Seelyville.	W. F. Decker, Burnett.
John T. Price, Washington.	William Davison, Hymera.
Henry Osha, Washington.	John Jones, Bicknell.
Simon Grill, Washington.	James A. Erwin, St. Marys.
James H. McKenna, Washington.	Frank Sharer, Brazil.
Reub Small, Clinton.	Thomas Morris, Brazil.
James A. Erwin, St. Marys.	John Dagon, Brazil.
Ralph Thomas, Center Point.	James Devonald, Burnett.
M. D. West, Cloverland.	William Small, Linton.
William L. Smith, Ayrshire.	

## HOISTING ENGINEERS.

J. B. Gustin, Shelburn.	John F. McFerran, Evansville.
Ed Britzuis, Newburgh.	J. L. France, Gleezen.
John E. Jones, Linton.	William F. Houzer, Turner.
Marion Beckett, Hymera.	C. L. Wilson, Seelyville.
Herman Sauer, Dugger.	Robert J. Stephens.
Philip Stevens, Knightsville.	Elmer Coleman, St. Bernice.
James Donald, Sullivan.	Thomas J. Hillburn, Bicknell.
Frank Dare, Dugger.	Otis Collins, Bicknell.
Orval Ham, Linton.	Nat Hagerman, Linton.
Terry Ring, Hymera.	Charles Cummins, Hymera.
William T. Hopkins, Carbon.	Jessie Walter Marshal, Clay City.
John A. Beck, Sullivan.	Charles John Davis, Newport.
William T. Neal, Hymera.	Henry Carrell, Clay City.
Purdy C. Pullis, Hymera.	George Grenier, Edwardsport.
Willard Fox, Bicknell.	L. D. Ferguson, Marco.
W. F. Maddox, Linton.	M. McMorro, Brazil.
B. M. McNabb, Linton.	James McClelland, Brazil.
Grant Rawson, Terre Haute.	

## NOTES.

1. There were no applicants for fire boss certificates at any of the above examinations, as shown by the above table.
2. The question will probably arise in the minds of some, why the examinations of 1900 were all held in the city of Terre Haute while there are three other cities named by statute where examinations may be held. It may be well to state in explanation thereof that a very large per cent. of the applicants at these examinations resided in Clay, Vermillion, Sullivan, Greene and Vigo counties. Terre Haute is centrally located with reference to all these counties

and there are railroads leading from each of them directly to that city, making it more convenient and accessible to the whole thereof than any other point. The number of applicants for examination from the south part of the State was so small in proportion to the whole number interested that, on the principle of accommodating the largest number of persons, it was thought just and fair to hold all of the examinations at the place named.

### SERVICE CERTIFICATES.

Certificates of service to serve as mine bosses, fire bosses and hoisting engineers have been granted to the following named persons during the year 1900:

#### HOISTING ENGINEERS.

Lincoln Foster, Evansville.	John A. Powell, Clay City.
Charles Gilmour, Alum Cave.	Lewis Stock, Boonville.
George M. White, Vincennes.	William Wooley, Boonville.
Peter Andrews, Clay City.	John M. Walker, Evansville.
Mark Wilson, DeForest.	H. R. McClelland, Clinton.
Albert Clark, Alum Cave.	Bert Dunlap, Clinton.
William Nash, Clay City.	William Moore, Silverwood.
Charles Nash, Clay City.	H. W. Johnson, Brazil.
Robert Lauder, Boonville.	Lewis McPherson, Ehrmandale.
J. V. Gustin, Shelburn.	John Harth, Clinton.
Harry Fuller, West Terre Haute.	Hugh Shirkie, Clinton.
Dallas Hickman, Evansville.	Charles Woods, Evansville.
Robert Gough, Boonville.	George L. Harper, Linton.
John Black, Fontanet.	

#### MINE BOSSES.

Walter Witman, Silverwood.	Robert Harkes, Coal Bluff.
George Watkins, West Terre Haute.	Jackson C. Wagner, Knightsville.
Jesse Simmons, Evansville.	Samuel Ogdon, Saxville.
Samuel J. Wilton, Carbon.	Thomas Bingham, Heckland.
John Price, Shelburn.	Thomas E. Maxwell, Brazil.
William Miller, Brazil.	James W. Lewis, Burnett.
Walter Phillips, Lyford.	Garry Calahan, Petersburg.
Thomas Reese, Carbon.	Hugh Shirkie, Clinton.
Moses Bolin, Cannelton.	James Stuart, Alum Cave.
Joseph Harris, Linton.	Doss A. Lenning, Coal City.
William Tweezel, Linton.	Josiah Hodges, West Terre Haute.
William Huber, Chandler.	Reinholt Miller, Brazil.

#### FIRE BOSSES.

J. H. Erwin, Farmersburgh.



## TABLE

*Showing Names of Owners and Addresses, Number of Men Employed, Tons of Coal Produced and Wages Paid in Small Mines.*

## CLAY COUNTY.

NAMES OF OWNERS.	ADDRESSES.	NUMBER MEN EM- PLOYED.	TONS.	WAGES.
N. H. Haskins.....	Knightsville.....	6.....	.....	.....
Samuel Adamson.....	Brazil.....	6 to 8.....	.....	.....
Frank Pique.....	Howesville.....	3 to 5.....	60	Not reported.
Marin Row.....	Brazil.....	4.....	.....	\$1,076 80
Weaver Coal & Clay Co.....	Cardonia.....	20.....	5,752	Not reported.
Whitmarsh & Price.....	Brazil.....	4.....	.....	.....
Excelsior Clay Works Co.....	Cardonia.....	4.....	.....	.....
John Marks.....	Coffee.....	2.....	300	\$300 00
F. V. Burris.....	Harmony.....	6.....	.....	.....
Benjamin Snell.....	.....	.....	.....	.....

## DAVISS COUNTY.

Marthie A. Raymond.....	Washington.....	3.....	.....	Not reported.
Shelly Wallace.....	Washington.....	10.....	700	\$760 00
D. J. Ragsdale.....	Washington.....	6.....	1,507	1,855 50
Grant Stoy.....	Raglesville.....	6.....	900	720 00
George W. Browning.....	Epsom.....	5.....	80	100 00
Elijah S. & Jno. W. McGard.....	Epsom.....	5.....	70	93 00
O. M. Cosner & J. A. Overton.....	Raglesville.....	16.....	2,000	1,280 00

## MARTIN COUNTY.

H. A. Stephen.....	Shoals.....	2.....	500	\$435 00
Killion Hotz.....	Dover Hill.....	4.....	320	240 00
Janson Chenoweth.....	Shoals.....	9.....	4,000	2,400 00

## OWEN COUNTY.

Mitten & Colenbaugh.....	Coal City.....	7.....	1,177	\$979 57
Jacob Hoffer.....	Harristown.....	3.....	1,900	.....

## PARKE COUNTY.

Theodore Shears.....	Bridgeton.....	5.....	100	\$60 00
John Perrin & Sons.....	Cattin.....	10.....	4,288	3,500 00
W. H. Leonard & D. M. Adams.....	Rosedale.....	8.....	300	Not reported.
Caulwell Bros.....	Rockville.....	9.....	.....	.....

## PERRY COUNTY.

John LeMain.....	Lincoln City.....	3 to 5.....	240	\$232 00
Bergenroth Bros.....	Troy.....	14.....	6,234	5,176 46

## PIKE COUNTY.

Andrew Sanders.....	Petersburgh.....	1 to 2.....	500	\$150 00
Elias Vaughan.....	Littles.....	3.....	1,200	49 80
William Sorgins.....	Winslow.....	2.....	160	125 00
Charles W. Bradfield.....	Petersburgh.....	4.....	700	Not reported.

## FOUNTAIN COUNTY.

NAMES OF OWNERS.	ADDRESSES.	NUMBER MEN EM- PLOYED.	TONS.	WAGES.
Gicamo Berto.....	Coal Creek.....	3.....	1,000	\$600 00
Tiley & Son.....	Silverwood.....	2.....	200	160 00
Marion E. Swim.....	Silverwood.....	.....	230	
Thomas W. Tiley.....	Covington.....	15.....	1,600	1,460 00

## GREENE COUNTY.

J. O. Pate.....	Switz City.....	5 to 10 .....	.....	Not reported.
Frank Woodhouse.....	Newberry.....	4.....	568	\$336 47
Kates & Holder.....	Lyons.....	2 to 5 .....	842	673 60
Joseph Boles.....	Bloomfield.....	5.....	700	600 00

## KNOX COUNTY.

John William Atkinson.....	Edwardsport.....	4.....	952	\$250 00
Beusinger & Marutz.....	Freelandville.....	4.....	1,020	433 00

## SULLIVAN COUNTY.

W. T. Wilson.....	Jackson Hill.....	6 to 8 .....	400	Not reported.
George Ward.....	Pleasantville.....	6 to 8 .....		\$2,300 00
L. S. Eaton.....	Sullivan.....	10.....		
William McClanahan.....	Jackson Hill.....	2.....	1,000	\$700 00

## VERMILLION COUNTY.

Sam Gerard.....	Cayuga.....	7.....	994	\$687 50
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## VIGO COUNTY.

Henry Rentschler.....	Hausertown.....	3.....		
George Koch.....	Coal Bluff.....	4.....	7,560	\$5,324 75
Charles Stuart.....	Coal Bluff.....	1 to 3 .....	235	93 65
Jesse S. Winn.....	Coal Bluff.....	5.....	59	Not reported.
G. W. Bennett.....	West Terre Haute..	6 to 8 .....		
James A. Erwin.....	St. Marys.....	4 to 8 .....	3,006	\$2,768 70

## GIBSON COUNTY.

G. W. Bird.....	Francisco.....	6.....	5,153	\$3,940 00
John D. Johnson.....	Oakland City.....	5.....	1,416	1,908 93

## WARRICK COUNTY.

J. A. Goslee.....	DeForest.....	12.....	1,100	\$875 00
Louis Stock.....	Boonville.....	5.....	2,524	2,344 00
Sargent Bros.....	Newburgh.....	10.....	3,000	1,000 00

Total number of small mines reporting.....	56
Total number of miners reported from small mines.....	321
Total number tons of coal reported from small mines.....	74,913
Total amount of wages reported small mines.....	\$39,680 92

An effort to obtain reports from small mines for the year 1900 has been made, but no very satisfactory results have been obtained. Over three hundred circulars have been sent out to small mine operators asking for data, but only the above number have complied with the request, and it will be noticed that some of those reporting have not reported wages in some instances while others have not reported tonnage.

## INDIANA MINES.

Following is a list of mines which were in active operation on January 1, 1901, the person in charge of each mine, as shown by the December (1900) reports of the mine bosses:

## CLAY COUNTY.

MINE.	MINE BOSS.	ADDRESS.
Brazil Block No. 1.....	John Bolin .....	Brazil.
Monarch.....	James King.....	Brazil.
Diamond No. 3.....	Jas. Cuthbertson.....	Brazil.
Gladstone.....	W. P. McQuade.....	Brazil.
Brazil Block No. 11.....	James Burt .....	Diamond.
Brazil Block No. 8 .....	Henry Payne .....	Brazil.
Pratt.....	H. W. Jenkins.....	Perth.
Eureka No. 2 .....	W. T. Hopkins.....	Carbon.
Eureka No. 3 .....	Jno. Somers.....	Carbon.
Rob Roy.....	James Dunlap .....	Brazil.
Dewey.....	Jno. Cox, Sr.....	Brazil.
Gart No. 5.....	A. Gilmour .....	Cardonia.
Gart No. 3.....	Geo. Doidge .....	Brazil.
Crawford No. 4.....	Sam'l Lindsey .....	Hoosierville.
Columbia No. 4 .....	T. Thompson.....	Hoosierville.
Columbia No. 5 .....	M. Hoffman .....	Asherville.
Cornwall .....	Moses Marks .....	Cardonia.
Crawford No. 5.....	Walter Knox .....	Asherville.
Briar Hill .....	Alex. Ferguson .....	Clay City.
Markland .....	Peter Andrew .....	Clay City.
Harrison No. 2 .....	Chas. Nash .....	Clay City.
Harrison No. 3.....	Chas. Nash .....	Clay City.
Klondyke.....	J. Ehrlich .....	Staunton.
Silverwood.....	William Myers.....	Turner.
Crawford No. 3.....	William Printz.....	Brazil.
Diamond No. 5.....	D. J. Evans.....	Brazil.
Brazil Block No. 10 .....	Wm. McBeth .....	Perth.
Cloverland.....	George Donie .....	Brazil.
Pearl.....	Robert Jenkins.....	Brazil.
Fortner.....	Newton Braum.....	Turner.
Crawford No. 2.....	Wm. Pintz.....	Centerpoint.
Eureka No. 4 .....	Jas. Quigley .....	Carbon.

## DAVIESS COUNTY.

MINE.	MINE BOSS	ADDRESS.
Cabel No. 4 .....	A. Kocher .....	Washington.
Cabel No. 5 .....	A. Kocher .....	Washington.
Wilson's No. 4 .....	J. Teverbaugh .....	Washington.
Mutual .....	D. W. Davis .....	Cannelburg.
Hoosier .....	Grant Stoy .....	Raglesville.
Union .....	A. W. Stuckey .....	Raglesville.
Stuffles No. 3 .....	W. A. Jacobs .....	Raglesville.
Hawkins .....	Simon Grill .....	Washington.
Montgomery No. 2 .....	Thos. Small .....	Montgomery.
Montgomery No. 3 .....	Thos. Small .....	Montgomery.
Black Diamond .....	Henry Osha .....	Washington.

## FOUNTAIN COUNTY.

Silverwood No. 4 .....	Wm. Dalrymple .....	Silverwood.
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## GIBSON COUNTY.

Oswald .....	J. C. Anderson .....	Silverwood.
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## GREENE COUNTY.

Island No. 1 .....	S. C. Risher .....	Linton.
Island No. 2 .....	John Eddie .....	Linton.
Island Valley .....	Joseph Fennel .....	Linton.
Fluhart .....	Jas. Dunn .....	Linton.
South Linton .....	Jos. Small .....	Linton.
Black Creek .....	M. C. Randal .....	Linton.
Summit No. 2 .....	Ernest Dugger .....	Linton.
Templeton .....	J. A. Templeton .....	Linton.
Summit .....	Frank Lockhart .....	Linton.
Island Valley No. 2 .....	Geo. Epperson .....	Linton.
Island Valley No. 3 .....	Peter May .....	Linton.
Hoosier .....	John Patton .....	Linton.
Wildcat .....	Hugh Archbold .....	Linton.

## KNOX COUNTY.

Prospect Hill .....	W. R. Scott .....	Vincennes.
Bicknell .....	R. M. Freeman .....	Bicknell.
Edwardsport .....	Chas. Harding .....	Edwardsport.
Knox .....	E. G. Hooper .....	Bicknell.

## MARTIN COUNTY.

Tunnel .....	F. M. Wampler .....	Indian Springs.
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## PARKE COUNTY.

MINE.	MINE BOSS.	ADDRESS.
Parke No. 8 .....	George Mitch .....	Rosedale.
Cox No. 3 .....	Oscar Busler .....	Coxville.
Mecca No. 1 .....	James Skene .....	Mecca.
Lucia .....	F. J. Urbain .....	Mecca.
Lyford No. 2 .....	A. Winterbottom .....	Lyford.
Brazil Block No. 12 .....	R. J. Wallace .....	Diamond.
Standard .....	Jas. Baxter .....	Brazil.
Superior No. 2 .....	John Chesterfield, Sr. ....	Brazil.
Superior No. 1 .....	George Myers .....	Brazil.
McIntosh No. 1 .....	Samuel Holden .....	Brazil.
McIntosh No. 3 .....	John Chesterfield, Jr. ....	Brazil.
Otter Creek .....	John Bolin .....	Carbon.
Crawford No. 1 .....	Henry Schlatter .....	Carbon.

## PERRY COUNTY.

Cannelton .....	George W. Briggs .....	Cannelton.
Troy .....	H. C. Williams .....	Troy.
Sulphur Springs .....	Moses Bolen .....	Cannelton.

## PIKE COUNTY.

Wooley .....	H. T. Brewis .....	Petersburg.
Blackburn .....	John R. Willey .....	Petersburg.
Little's .....	H. Rose .....	Littles.
Carbon .....	C. C. Potter .....	Sophia.
Ayrshire Nos. 3 and 5 .....	W. L. Smith .....	Ayrshire.
Hartwell .....	C. C. Roland .....	Cabel.
Ayrshire No. 4 .....	Bartley Stinson .....	Ayrshire.
Aberdeen .....	Andrew Doods .....	Oakland City.
Alden .....	John Carey .....	Winslow.
Jaxon .....	David Ingle, Jr .....	Oakland City.

## SULLIVAN COUNTY.

Jumbo .....	G. H. Sargent .....	Jackson Hill.
Hymera .....	Sam Campbell .....	Hymera.
Phenix No. 1 .....	Joseph Peters .....	Alum Cave.
Phenix No. 3 .....	Alexander Falls .....	Alum Cave.
Phenix No. 5 .....	Jas. Stewart .....	Alum Cave.
Star .....	S. Woolley .....	Del Carbo.
Shelburn .....	C. C. Hall .....	Shelburn.
Caledonia .....	Henry Butler .....	Farnsworth.
Bunker Hill .....	H. W. Sexton .....	Farnsworth.
Briar Hill .....	William James .....	Dugger.
Ingleside .....	Evan Price .....	Dugger.
Dugger .....	Jno. Griffith .....	Dugger.
White Ash .....	William Britton .....	Hymera.
Green Hill .....	William McCloud .....	Sullivan.
Sun Flower .....	E. H. Dugger .....	Sullivan.
Jackson Hill No. 2 .....	Ed. Stewart .....	Jackson Hill.

## VANDERBURGH COUNTY.

MINE.	MINE BOSS.	ADDRESS.
Union .....	P. Schultheig .....	Evansville.
Diamond .....	G. Bonenberger .....	Evansville.
First Avenue .....	Frank Guenther .....	Evansville.
Sunnyside .....	C. H. Batez .....	Evansville.
Ingleside .....	Alex Maul .....	Evansville.
Unity .....	John Reese .....	Evansville.

## VERMILLION COUNTY.

Buckeye .....	William Chesterfield .....	Clinton.
Brouillet's No. 3 .....	Thos. Clemet. ....	Clinton.
Brouillet's No. 4 .....	Jas. McGinnis .....	Clinton.
Brouillet's No. 5 .....	Stewart Shirkie .....	Clinton.
Prince .....	John Mushett .....	Clinton.
Torrey No. 4 .....	Geo. Davis .....	Voorhees.
Cayuga .....	R. M. Irving .....	Cayuga.
Oak Hill .....	William Hutchinson .....	Clinton.
Willow Grove .....	Stewart Shirkie, Sr. ....	Clinton.

## VIGO COUNTY.

Peerless .....	Geo. Anthony .....	Fontanet.
Union .....	Jas. Johnson .....	Fontanet.
Diamond No. 2 .....	Thos. Gregory .....	Fontanet.
Grant Nos. 1 and 2 .....	Jeff Ladson .....	Burnett.
Nickel Plate .....	Claude Peck .....	Ehrmandale.
Klondyke .....	John Bland, Jr. ....	Ehrmandale.
Ray .....	Geo. West .....	Seelyville.
Ehrlich .....	H. B. Ehrlich .....	Seelyville.
Hector .....	William Gray .....	Seelyville.
Parke No. 10 .....	Thos Bingham .....	Heckland.
Brick Works .....	Jno. F. Irwin .....	West Terre Haute.
Broadhurst .....	W. L. Irwin .....	West Terre Haute.
Vigo .....	William Skank .....	Ehrmandale.
Royal .....	Fred Eberwine .....	Seelyville.
Pfalzer .....	Wm. M. Harkes .....	Coal Bluff.
Koch .....	Geo. Koch .....	Coal Bluff.

## WARRICK COUNTY.

Star No. 1 .....	Geo. F. Archibold .....	Newburg.
Air Line .....	T. B. Hall .....	Chandler.
Chandler .....	Jesse Simmons .....	Chandler.
Big Vein .....	William Woolley .....	Boonville.
Caledonia .....	E. P. Hargroves .....	Boonville.
Big Four .....	Jno. Kelley .....	Boonville.
Star No. 2 .....	Geo. Archibold .....	Newburg.
DeForrest .....	Mark Wilson .....	DeForrest.

## LIST OF MINES.

*Table Showing the Names and Addresses of Persons and Corporations Operating Coal Mines in the State of Indiana, During the Year of 1900, with the Names of Mines in Each County.*

## CLAY COUNTY.

NAMES.	ADDRESSES.	MINES.	REMARKS.
Brazil Block Coal Co	Brazil	Mine No. 1	
Brazil Block Coal Co	Brazil	Gart No. 3	
Brazil Block Coal Co	Brazil	Gart No. 5	
Brazil Block Coal Co	Brazil	Mine No. 8	
Brazil Block Coal Co	Brazil	Mine No. 11	
Briar Block Coal Co	Chicago, Ill.	Briar Hill	
Chicago & Indiana Coal Co	Terre Haute	Harrison No. 2	
Chicago & Indiana Coal Co	Terre Haute	Harrison No. 3	
Coal Bluff Mining Co	Terre Haute	Pratt	
Crawford Coal Co	Brazil	Mine No. 3	
Crawford Coal Co	Brazil	Mine No. 4	
Crawford Coal Co	Brazil	Mine No. 5	
C. Ehrlich Coal Co	Turner	Klondyke	
Eureka Block Coal Co	Terre Haute	Eureka No. 2	
Eureka Block Coal Co	Terre Haute	Eureka No. 3	
Diamond Block Coal Co	Chicago, Ill.	Diamond No. 3	
Goucher, McAdoo & Co	Brazil	Monarch	
Jackson Coal and Mining Co	Brazil	Dewey	
Andrews, Peter	Clay City	Markland	
Somers, Joseph	Staunton	San Pedro	Abandoned.
Zeller, McClellan & Co	Brazil	Columbia No. 3	
Zeller, McClellan & Co	Brazil	Columbia No. 4	
Zeller, McClellan & Co	Brazil	Columbia No. 5	
Lancaster Block Coal Co	Terre Haute	Rob Roy	
Brazil Mining Co	Chicago, Ill.	Gladstone	
Crawford Coal Co	Brazil	Louise	Abandoned.
Diamond Block Coal Co	Chicago, Ill.	Diamond No. 5	
Indiana Bituminous Coal Co	Terre Haute	Silverwood No. 3	
Zeller, McClellan & Co	Brazil	Cloverland	
Brazil Block Coal Co	Brazil	Gart No. 11	
Cloverland Coal and Mining Co	Cloverland	Pearl	
Collins Coal Co	Brazil	Gifford	New mine.
Jackson Coal and Mining Co	Brazil	Cornwall	New mine.
Ehrlich, C	Turner	Fortner	New mine.
Eureka Block Coal Co	Terre Haute	Eureka No. 4	New mine.
Coal Bluff Mining Co	Terre Haute	Lawton	New mine.
Coal Bluff Mining Co	Terre Haute	Glen	New mine.

## DAVIESS COUNTY.

Cabel & Co	Washington	Mine No. 4	
Cabel & Co	Washington	Mine No. 9	
Davieess County Coal Co	Montgomery	Mine No. 2	
Davieess County Coal Co	Montgomery	Mine No. 3	
Mutual Mining Co	Cannelburg	Mutual	
Raglesville Coal Co	Raglesville	Hoosier	
Stuffles, James	Raglesville	Mine No. 3	Small mine.
Washington Coal Co	Washington	Hawkins	
Washington Coal Co	Washington	Wilson No. 4	Abandoned.
Winklepleck, Jonas	Raglesville	Union	Small mine.
Black Diamond Coal Co	Washington	Black Diamond	New mine.

## FOUNTAIN COUNTY.

NAMES.	ADDRESSES.	MINES.	REMARKS.
Indiana Bituminous Coal Co .....	Terre Haute .....	Silverwood No. 2 .....	Abandoned.
Silverwood Coal Co .....	Silverwood .....	Sturm .....	

## GIBSON COUNTY.

Princeton Coal Co .....	Princeton .....	Oswald .....	
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## GREENE COUNTY.

Island Coal Co .....	Indianapolis .....	Island City No. 1 .....	New mine. New mine. New mine. New mine. New mine. New mine.
Island Coal Co .....	Indianapolis .....	Island No. 2 .....	
Island Valley Coal and Mining Co .....	Linton .....	Island Valley .....	
Linton Coal and Mining Co .....	Linton .....	Fluhart .....	
South Linton Coal Co .....	Linton .....	South Linton .....	
Summit Coal Co .....	Bloomfield .....	Summit No. 1 .....	
Summit Coal Co .....	Bloomfield .....	Summit No. 2 .....	
Western Indiana Coal Co .....	Terre Haute .....	Templeton .....	
Dickerson Coal Co .....	Linton .....	Wild Cat .....	
Island Valley Coal and Mining Co .....	Linton .....	Island Valley No. 2 .....	
Island Valley Coal and Mining Co .....	Linton .....	Island Valley No. 3 .....	
Black Creek Coal Co .....	Linton .....	Black Creek .....	
The Hoosier Coal Co .....	Bloomfield .....	Hoosier .....	

## KNOX COUNTY.

Bicknell Coal Co .....	Bicknell .....	Bicknell .....	New mine.
Edwardsport Coal Co .....	Indianapolis .....	Edwardsport .....	
Prospect Hill Coal Co .....	Vincennes .....	Prospect Hill .....	
Knox County Coal Co .....	Bicknell .....	Knox Coal Mine .....	

## MARTIN COUNTY.

Wampler, F. M. ....	Indian Springs.	Tunnel .....	
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## PARKE COUNTY.

Brazil Block Coal Co .....	Brazil .....	Cox No. 3 .....	
Brazil Block Coal Co .....	Brazil .....	Brazil Block No. 12 .....	
Brazil Block Coal Co .....	Brazil .....	Otter Creek .....	
Crawford Coal Co .....	Brazil .....	Mine No. 1 .....	
I. McIntosh & Co .....	Brazil .....	Mine No. 2 .....	
I. McIntosh & Co .....	Brazil .....	Mine No. 3 .....	
Otter Creek Coal Co .....	Brazil .....	Mecca No. 1 .....	
Parke County Coal Co .....	Rosedale .....	Parke No. 8 .....	
Rock Run Coal Co .....	Brazil .....	Lucia .....	
Standard Coal Co .....	Terre Haute .....	Standard .....	
Wabash Valley Coal Co .....	Clinton .....	Lyford No. 2 .....	
Zeller, McClellan & Co .....	Brazil .....	Superior No. 1 .....	
Zeller, McClellan & Co .....	Brazil .....	Superior No. 2 .....	

## PERRY COUNTY.

American Cannel Coal Co .....	Cannelton .....	Cannelton .....	
Bergenroth Bros .....	Troy .....	Troy .....	
American Cannel Coal Co .....	Cannelton .....	Sulphur Springs .....	



## PIKE, COUNTY.

NAMES.	ADDRESSES.	MINES.	REMARKS.
Cabel-Kaufman Coal Co.....	Cabel.....	Hartwell.....	
Ingle, D.....	Oakland City..	Ayrshire.....	
Potter & Johnson.....	Oakland City..	Carbon.....	
The S. W. Little Coal Co.....	Evansville.....	Blackburn.....	
The S. W. Little Coal Co.....	Evansville.....	Little's.....	
The S. W. Little Coal Co.....	Evansville.....	Rodgers.....	Reopened.
The J. Wooley Coal Co.....	Evansville.....	Petersburg.....	Reopened.
Aberdeen Coal Co.....	Petersburg.....	Aberdeen.....	New mine.
Alden Mining and Mercantile Co..	Winslow.....	Alden.....	New mine.
Ingle, D.....	Oakland City..	Ayrshire No. 4.....	New mine.
Ingle, D.....	Oakland City..	Jaxon.....	New mine.

## SULLIVAN COUNTY.

Green Hill Coal Co.....	Sullivan.....	Green Hill.....	
Sexton and Crowder.....	Farnsworth.....	Bunker Hill.....	
Harder-Hater Coal Co.....	Del Carbo.....	Star.....	
Hymera Coal Co.....	Hymera.....	Hymera.....	
Indiana & Chicago Coal Co.....	Dugger.....	Dugger.....	
Jackson Hill Coal and Coke Co....	Eagle.....	Junbo.....	
Dugger Co-operative Coal Co.....	Dugger.....	Briar Hill.....	
New Pittsburgh Coal and Coke Co....	Alum Cave.....	Phoenix No. 1.....	
Shelburn Mining Co.....	Shelburn.....	Shelburn.....	
Rainbow Coal and Mining Co.....	Farnsworth.....	Caled nia.....	
Sullivan Coal Co.....	Sullivan.....	Sullivan.....	Small mine
White Ash Coal Co.....	Hymera.....	White Ash.....	
New Pittsburgh Coal and Coke Co....	Alum Cave.....	Phoenix No. 3.....	New mine.
New Pittsburgh Coal and Coke Co....	Alum Cave.....	Phoenix No. 5.....	New mine.

## VANDERBURGH COUNTY.

Diamond Coal and Coke Co.....	Evansville.....	Diamond.....	
Evansville Union Mining Co.....	Evansville.....	Union.....	
John Ingle Coal Co.....	Evansville.....	Inleside.....	
Lozier, H. A.....	Evansville.....	First Avenue.....	
Sunnyside Coal and Coke Co.....	Evansville.....	Sunnyside.....	

## VERMILLION COUNTY.

Brouillet's Creek Coal Co.....	Clinton.....	Mine No. 3.....	
Brouillet's Creek Coal Co.....	Clinton.....	Mine No. 4.....	
Brouillet's Creek Coal Co.....	Clinton.....	Mine No. 5.....	New mine.
Keller Coal Co.....	Clinton.....	Prince.....	
McClellan, Sons & Co.....	Clinton.....	Buckeye.....	
Torrey Coal Co.....	Voorhees.....	Torrey No. 4.....	
Cayuga Press Brick Coal Co.....	Cayuga.....	Cayuga.....	
Oak Hill Coal Co.....	Clinton.....	Oak Hill.....	New mine.

## VIGO COUNTY.

NAMES.	ADDRESSES.	MINES.	REMARKS
Miller, A. F.....	Macksville.....	Miller.....	Local.
Broadhurst, J. N. & G.....	Macksville.....	Broadhurst.....	Local.
Coal Bluff Mining Co.....	Terre Haute.....	Union.....	
Ehrlich, Julius.....	Seelyville.....	Ehrlich.....	
Grant Coal Mining Co.....	Burnett.....	Grant.....	Local.
Lankford, William.....	Macksville.....	Larimer.....	
Loughner Coal Co.....	Seelyville.....	Hector.....	
Macksville Coal Co.....	Macksville.....	Murray.....	
Nevins Coal Co.....	Fontanet.....	Klondike.....	
Parke County Coal Co.....	Rosedale.....	Parke No. 10.....	Local.
Terre Haute Brick & Pipe Co.....	Terre Haute.....	Brick Works.....	
Vigo County Coal Co.....	Seelyville.....	Ray.....	
Brazil Mining Co.....	Chicago, Ill.....	Nickle Plate.....	
Grant Coal Mining Co.....	Burnett.....	Grant No. 2.....	
Torrey Coal Co.....	Voorhees.....	Glen Oak.....	New mine.
Fanore Coal Co.....	Terre Haute.....	Red Bird.....	New mine.
Pfaelzer Coal Co.....	Coal Bluff.....	Chicago.....	New mine.
Koch, George.....	Coal Bluff.....	Koch.....	New mine.
Seelyville Coal & Mining Co.....	Seelyville.....	Royal.....	New mine.

## WARRICK COUNTY.

Archbold, Jno.....	Evansville.....	Star Nos. 1 & 2.....	
Bartley, Patrick.....	Evansville.....	Chandler.....	
Caledonia Coal Co.....	Boonville.....	Caledonia.....	
DeForrest Coal Co.....	Evansville.....	DeForrest.....	
Hall & Lawrence.....	Chandler.....	Air Line.....	
J. Wooley Coal Co.....	Evansville.....	Big Vein.....	
Goslee, J. S.....	DeForrest.....	Buckeye.....	Re-opened.
Big Four Coal Co.....	Boonville.....	Big Four.....	New mine.

## MINOR ACCIDENTS REPORTED AT INDIANA MINES, 1900.

NAMES.	DATE.	OCCUPATION.	CHARACTER OF INJURY.	CAUSE OF ACCIDENT.	NAME OF MINE.	COUNTY.
William Shelton	Jan. 1	Miner		Falling slate.	Eureka	Clay.
John Lemay	Jan. 1	Miner	Body bruised	Falling slate.	Columbia No. 4	Clay.
Joseph Trimble	Jan. 4	Miner	Fingers mashed	Falling slate.	Brazil Block No. 12	Parke.
Perry Altman	Jan. 6	Miner	Body bruised	Between mine cars	Gart No. 3	Clay.
John McGuin	Jan. 12	Miner	Hip bruised.	Caught between R. R. cars	Brazil Block No. 12	Parke.
Silas Thurman	Jan. 16	Miner	Body bruised	Falling slate.	Klondyke	Clay.
William Wright	Jan. 19	Miner	Head cut.	Falling slate.	Brazil Block No. 12	Parke.
George Vansyke	Jan. 19	Miner	Body bruised	Falling slate.	Lyford No. 2	Parke.
No name	Jan. 24	Miner	Body bruised	Between mine cars	Freeman	Greene.
Perry Cruthers	Jan. 25	Driver	Foot mashed	Mine car	Peerless	Vigo.
Charles Kemp	Jan. 31	Shooter	Head burned	Flame from shot.	Lucia	Parke.
Arthur Thompson	Jan. 31	Shooter	Head burned	Flame from shot.	Lucia	Parke.
John Fininger	Feb. 2	Miner	Side injured	Falling slate.	Ingleside	Vanderburgh.
John Burk	Feb. 2	Miner	Head cut	Between cars	Hartwell	Pike.
Daniel Chesterfield	Feb. 3	Driver		Falling slate.	Parke No. 10	Parke.
John Northerner	Feb. 8	Miner	Body bruised	Falling coal	Cannelton	Perry.
J. L. Glass	Feb. 8	Miner	Back injured	Falling slate.	Brazil Block No. 12	Parke.
Eron Bolin	Feb. 9	Miner	Back injured	Machine truck	Crawford No. 3	Clay.
Court McGill	Feb. 13	Machine runner	Foot hurt	Mine car.	Brazil Block No. 12	Parke.
D. H. Williams	Feb. 14	Mine boss	Leg and head bruised	Falling slate.	Parke No. 8	Parke.
John Dixon	Feb. 16	Miner	Head bruised	Falling slate.	Brazil Block No. 1	Clay.
John Gripe	Feb. 17	Miner	Body bruised	Between mine cars	Klondyke	Clay.
Willard Fishdale	Feb. 19	Driver		By mine cars	Oswald	Gibson.
Charles Wethers	Feb. 20	Miner	Arm injured	Falling coal	Peerless	Vigo.
Charles Creal	Feb. 20	Miner	Arm injured	Between mine cars	Grant No. 1	Vigo.
Vick Vondour	Feb. 22	Driver		Mine car.	Peerless	Vigo.
Tom Rose	Feb. 22	Driver	Leg bruised	Between mine cars	Buckeye	Vermillion.
John Moore	Feb. 26	Driver	Body bruised	By mine car	Buckeye	Vermillion.
Oliver Hicks		Miner	Fractured ankle	Falling slate.	Diamond	Vigo.
William Neil	March 6	Driver	Hip and back injured	Falling slate.	Oswald	Gibson.
James McColough	March 8	Miner	Hip bruised	Windy shot.	Crawford No. 4	Clay.
N. Arego	March 8	Miner	Burned internally	Windy shot.	Torrey No. 4	Vermillion.
P. Burtin	March 8	Miner	Burned internally	Windy shot.	Torrey No. 4	Vermillion.
J. Barlow	March 8	Miner	Burned internally	Windy shot.	Torrey No. 4	Vermillion.
D. Killey	March 8	Miner	Burned internally	Windy shot.	Torrey No. 4	Vermillion.

Joe Tiersey .....	March 8....	Miner .....	Hand burned .....	Mine car .....	Torrey No. 4 .....	Vermillion.
Ed. Jackson.....	March 8....	Driver .....	Foot bruised .....	Mine car .....	Torrey No. 4 .....	Vermillion.
Charles Lou.....	March 8....	Driver .....	Thumb hurt .....	Mine car .....	Torrey No. 4 .....	Vermillion.
Lue Mitch.....	March 8....	Driver .....	Hip hurt .....	Mine car .....	Torrey No. 4 .....	Vermillion.
Bert Hill .....	March 8....	Driver .....	Foot bruised .....	Falling slate .....	Torrey No. 4 .....	Vermillion.
John Broadhurst .....	March 10....	Miner .....	Body bruised .....	Falling slate .....	Hartwell .....	Pike.
Mike Scott .....	March 16....	Miner .....	Back hurt .....	Falling slate .....	Brazil Block No. 12..	Parke.
John Broadhurst .....	March 18....	Miner .....	Body bruised .....	Falling slate .....	Hartwell .....	Pike.
John Godfrey .....	March 20....	Miner .....	Body bruised .....	Prop fell on him .....	White Ash .....	Sullivan.
William Vasil.....	March 22....	Miner .....	Arm bruised .....	Falling slate .....	Brazil Block .....	Parke.
Curtis Burge .....	March 23....	Loader .....	Arm injured .....	Falling slate .....	Island No. 2.....	Greene.
Vaughn Cissel .....	March 23....	Miner .....	Foot injured .....	Falling slate .....	Cable No. 9.....	Daviess.
William Stinson .....	March 24....	Driver .....	.....	.....	Oswald .....	Gibson.
Charles Phillips .....	March 27....	.....	Finger mashed .....	By cage spring .....	Ingle .....	Vanderburgh.
Thomas Forenher.....	March 31....	Miner .....	Head cut .....	Falling slate .....	Cannelton.....	Perry.
Ben Allen .....	.....	Miner .....	Slightly hurt .....	Falling slate .....	Carbon .....	Pike.
William Rowe .....	April 3.....	Miner .....	.....	.....	Star No. 1.....	Warrick.
James Rowe .....	April 20....	Miner .....	Narcotic poison .....	Powder smoke .....	Star No. 1.....	Warrick.
Val Galinette .....	April 30....	Miner .....	Head cut .....	Falling slate .....	Torrey No. 4 .....	Vermillion.
John Moncere .....	April 30....	Miner .....	.....	Powder smoke .....	Torrey No. 4 .....	Vermillion.
John Robinson .....	May 1 .....	Track man .....	Hurt slightly .....	Falling slate .....	Pratt .....	Clay.
Henry Sinclair .....	May 3 .....	Miner .....	Back hurt .....	Falling slate .....	Union .....	Vigo.
Henry Liemke .....	May 3 .....	Miner .....	Shoulder hurt .....	Falling slate .....	Union .....	Vigo.
John Sprouskie .....	May 3 .....	Miner .....	Foot mashed .....	Mine car .....	Prince .....	Vermillion.
Wain Von .....	May 5 .....	Driver .....	Burned by powder .....	Mine car .....	Ingle .....	Vanderburgh.
William McAnnually.....	May 7 .....	Miner .....	Hip hurt .....	Drilling shot .....	Hymera .....	Sullivan.
Ed. Griffith .....	No date .....	Driver .....	Foot hurt .....	No cause .....	Dugger .....	Sullivan.
John Pattieson .....	May 15....	Miner .....	Leg bruised .....	Falling slate .....	Brazil Block No. 12..	Parke.
Dan Donuhue .....	May 28....	Driver .....	Slight injury .....	Between cars .....	Peerless .....	Vigo.
Elizah Waltz .....	May 31....	Machine runner .....	.....	Falling slate .....	Big Vein .....	Warrick.
A. S. McDonnell .....	June 6 .....	Driver .....	.....	.....	.....	.....
Sam Tipple .....	June 7 .....	Driver .....	Body bruised .....	.....	.....	.....
Gis Mullett .....	June 19....	Miner .....	Body bruised .....	Falling slate .....	Cloverland .....	Clay.
Sam Hutson .....	June 19....	Miner .....	Body bruised .....	Falling slate .....	Grant No. 4 .....	Vigo.
John Candell .....	June 19....	Miner .....	Body bruised .....	Falling coal .....	Grant No. 4 .....	Vigo.
Eli Hass .....	June 20....	Miner .....	Scalp wound .....	Falling coal .....	Grant No. 4 .....	Vigo.
Curtis Risley .....	June 20....	Track man .....	Back injured .....	Falling coal .....	Bicknell .....	Knox.
Robert Yemn .....	June 23....	Miner .....	Back injured .....	Falling coal .....	Brazil Block No. 10..	Clay.
Charles Stankes .....	June 26....	Driver .....	Body bruised .....	Falling coal .....	Klondyke .....	Clay.
Charles Harding .....	June 30....	Mine boss .....	Back injured .....	Falling slate .....	Buckeye .....	Vermillion.
.....	.....	.....	.....	.....	Edwardsport .....	Knox.

MINOR ACCIDENTS REPORTED AT INDIANA MINES, 1900—Continued.

NAMES.	DATE.	OCCUPATION.	CHARACTER OF INJURY.	CAUSE OF ACCIDENT.	NAME OF MINE.	COUNTY.
Charles Dixon .....	June 29 .....	Driver .....	Foot hurt .....	Mine car .....	Summit No. 2 .....	Greene.
John Smith .....	July 3 .....	Miner .....	Foot hurt .....	Mine car .....	Summit No. 2 .....	Greene.
George Crowder .....	July 6 .....	Miner .....	Body bruised .....	Falling coal .....	Peerless .....	Vigo.
Joe Cruthers .....	July 6 .....	Driver .....	Foot hurt .....	Falling slate .....	Silverwood No. 2 .....	Vermillion.
J. V. Linsley .....	July 6 .....	Miner .....	Body bruised .....	Falling slate .....	Silverwood No. 2 .....	Vermillion.
Bert Clark .....	July 10 .....	Trapper .....	Body bruised .....	Mine car .....	Phoenix .....	Sullivan.
Jeff King .....	July 20 .....	Miner .....	Body bruised .....	Mine car .....	Prince .....	Vermillion.
George Cullison .....	July 21 .....	Miner .....	Body bruised .....	Falling slate .....	Grant No. 1 .....	Vigo.
Joe Glado .....	July 26 .....	Miner .....	Arm bruised .....	Mine car .....	Summit No. 1 .....	Greene.
.....	July 26 .....	Driver .....	Ankle bruised .....	Mine cars .....	Eureka No. 2 .....	Clay.
Joe Keen .....	July 27 .....	Driver .....	Foot hurt .....	Machine truck .....	Brazil Block No. 12 .....	Parke.
Mike Petock .....	July 27 .....	Miner .....	Leg injured .....	Falling slate .....	Brazil Block No. 12 .....	Parke.
Silas McQueen .....	July 28 .....	Driver .....	Body bruised .....	Mine car .....	Caledonia .....	Sullivan.
J. Bledsome .....	July 28 .....	Driver .....	Body bruised .....	Falling slate .....	Eureka No. 3 .....	Clay.
John Tipton .....	July 28 .....	Driver .....	Back injured .....	Falling slate .....	Brazil Block No. 8 .....	Clay.
John Carbon .....	July 29 .....	Miner .....	Body bruised .....	Falling slate .....	San Pedro .....	Clay.
Will Slow .....	Aug. — .....	Miner .....	Body bruised .....	Falling coal .....	Peerless .....	Vigo.
George Robertson .....	Aug. — .....	.....	Arm hurt .....	.....	Hartwell No. 2 .....	Pike.
Robert Kenedy .....	Aug. 16 .....	Loader .....	Head cut .....	.....	Buckeye .....	Vermillion.
Clark Wright .....	Aug. 21 .....	Driver .....	Back bruised .....	Falling slate .....	Brazil Block No. 1 .....	Clay.
Robert Rall .....	Aug. 22 .....	Cager .....	Bruised shoulder .....	Falling slate .....	Star .....	Sullivan.
George Robertson .....	Aug. 22 .....	Miner .....	Head cut .....	Falling slate .....	Oswald .....	Gibson.
Al Froeske .....	.....	Miner .....	Ankle injured .....	Falling slate .....	Wild cat .....	Greene.
Ruban Yucan .....	Aug. 26 .....	Miner .....	Head cut .....	Falling coal .....	Pratt .....	Clay.
Nathan Crothers .....	Aug. 24 .....	Miner .....	Foot injured .....	Falling slate .....	Silverwood .....	Fountain.
Elae Burton .....	Sept. 7 .....	Miner .....	Nose bruised .....	Falling slate .....	Brazil Block No. 1 .....	Clay.
Ed Vetzal .....	Sept. 14 .....	Miner .....	Body bruised .....	Falling slate .....	Brazil Block No. 1 .....	Clay.
.....	Sept. 17 .....	Miner .....	Body bruised .....	Falling slate .....	Freeman .....	Greene.
Kenneth Simpson .....	Sept. 18 .....	Driver .....	Neck injured .....	Cross bar fell on him .....	Mecca No. 1 .....	Parke.
Justine Dugger .....	Sept. 29 .....	Driver .....	Hand bruised .....	By cars .....	Dugger .....	Sullivan.
James Scott .....	Sept. 29 .....	Driver .....	Head cut .....	By cars .....	Caledonia .....	Sullivan.
Buck Hernlow .....	Sept. 29 .....	Driver .....	Head cut .....	By cars .....	Caledonia .....	Sullivan.
Fred Koch .....	.....	Trapper .....	Slightly injured .....	Between trap door and car .....	Peerless .....	Vigo.
William Erwing .....	.....	Driver .....	Back injured .....	Between roof and car .....	Peerless .....	Vigo.
Joe Britwell .....	.....	Driver .....	Foot sprained .....	.....	Phoenix No. 1 .....	Sullivan.
Emery Archer .....	.....	Flag boy .....	Back hurt .....	Falling slate .....	Island No. 1 .....	Greene.

Walter Williams		Driver	Leg injured	Between mine cars	Star	Sullivan.
Mike McMahan	Dec. 5	Miner	Bruised hip	Falling slate	Brazil Block No. 8	Clay.
Phillip Cox	Dec. 8	Miner	Arm and foot injured	Falling slate	Briar Hill	Sullivan.
Nat Haghegan	Dec. 9	Miner	Foot hurt	Fell down air shaft	Buckeye	Greene.
Thomas Flocker	Dec. 10	Miner	Hip squeezed	Falling slate	Crawford No. 4	Clay.
Richard Jones	Dec. 10	Driver	Slightly hurt	By mine car	Eureka No. 2	Clay.
Felix Osborn	Dec. 12	Driver	Eye bruised	Kicked by mule	Little's	Pike.
Dave Campbell	Dec. 14	Miner	Hand bruised	Falling slate	Brazil Block No. 12	Parke.
John McNewton	Dec. 14	Miner	Finger bruised	Falling coal	Brazil Block No. 12	Parke.
Ezra Stoner	Dec. 15	Miner	Leg bruised and eye cut	Falling slate	Carbon	Pike.
Henry Diaharp	Dec. 17	Loader	Foot hurt	Between cars	Crawford No. 5	Clay.
Thomas Carter	Dec. 22	Miner	Hand hurt	Falling slate	Crawford No. 5	Clay.
Joe Deedley	Dec. 29	Miner		Falling slate	Jackson Hill No. 1	Sullivan.
	Dec. 1	Driver		Kicked by mule	Little's	Pike.
H. Perkins		Loader	Finger nail cut off	Caught between cars	Brazil Block No. 1	Clay.
William Unverferth		Loader	Slightly squeezed	Caught between cars	Wild cat	Greene.
Dan Garlen		Miner	Head hurt		Caledonia	Sullivan.

## SERIOUS ACCIDENTS REPORTED AT INDIANA MINES, 1900.

NAMES.	DATE.	OCCUPATION.	CHARACTER OF INJURY.	CAUSE OF ACCIDENT.	NAME OF MINE.	COUNTY.
Ralph Thomas	Jan. 5	Miner	Eye injured	Falling coal	Louise	Clay.
W. E. Smith	Jan. 30	Miner	Leg broken	Falling slate	Bunker Hill	Sullivan.
William Shields	Jan. 1	Miner	Leg broken	Flying coal from shot	Superior No. 1	Parke.
George Eddy	Feb. 7	Driver	Leg broken	Caught between cars	Buckeye	Vermillion.
William Carlisle	Feb. 7	Driver	Hip broken	Between mine cars	Buckeye	Vermillion.
J. H. Gibson	Feb. 16	Miner	Leg broken	Falling slate	Jackson Hill	Sullivan.
William Fishdale	Feb. 19	Driver	Foot mashed	Between cars	Oswald	Gibson.
George Chesterfield	March 8	Miner	Burned internally	Windy shot	Torrey No. 4	Vermillion.
John Matsie	March 10	Miner	Body badly bruised	Falling coal	Superior No. 2	Parke.
Andrew Malo	March 14	Miner	Both legs broken	Falling coal	Brazil Block No. 11	Clay.
Urlish Schlater	March 1	Miner	Collar bone and rib broke	Falling coal	Crawford No. 1	Parke.
Oliver Hicks	March 1	Driver	Fractured ankle	Falling coal	Torrey No. 4	Vermillion.
Henry Lawhead	April 20	Miner	Injured internally	Falling slate	Star No. 1	Warrick.
Hugh Burris	April 23	Machine runner	Finger cut off	Machine truck	Brazil Block No. 12	Parke.
Charles Veach	April 1	Driver	Jaw fractured	Kicked by mule	Star	Sullivan.

SERIOUS ACCIDENTS REPORTED AT INDIANA MINES, 1900—Continued.

NAMES.	DATE.	OCCUPATION.	CHARACTER OF INJURY.	CAUSE OF ACCIDENT.	NAME OF MINE.	COUNTY.
W. T. Evans.....	May 8.	Miner.....	Collar bone broken.....	Falling coal.....	Peerless.....	Vigo.
John Grim.....	May 16.	Driver.....	Leg broken.....	Mine cars.....	Peerless.....	Vigo.
Pat Burk.....	May 23.	Miner.....	Collar bone broken.....	Falling slate.....	Peerless.....	Vigo.
Don Donahue.....	May 28.	Driver.....	Leg bruised.....	Between cars.....		
Sam Silvers.....	June 13.	Driver.....	Body bruised.....	Falling slate.....	Island No. 2.....	Greene.
George Webster.....	June 15.	Timberman.....	Rib broken.....	Falling timber.....	Pfaelzer.....	Vigo.
John Haughie.....	July 11.				Cox No. 3.....	Parke.
George Little.....		Miner.....	Finger mashed off.....	Falling coal.....	Phoenix No. 2.....	Sullivan.
John Newlin.....		Sinker.....	Body bruised.....	Fell in shaft.....	Klondyke.....	Clay.
William Hines.....	Sept. 7.	Miner.....	Leg and two ribs broken.....	Windy shot.....	Prince.....	Vermillion.
Louis Moore.....	Sept. 18.	Miner.....	Hip and back injured.....	Falling slate.....	Nickle Plate.....	Vigo.
Erwin Yemn.....	Sept. 23.	Miner.....	Back hurt.....	Falling slate.....	Mecca No. 1.....	Parke.
H. A. Butler.....	Oct. 3.	Mine boss.....	Hand mashed badly.....	Falling slate.....	Caledonia.....	Warrick.
Shoptal and son.....	Oct. 9.	Miner.....	Lost one eye.....	Delayed shot.....	Island Valley No. 3.....	Greene.
	Oct. 9.	Miner.....	Body bruised.....	Delayed shot.....	Island Valley No. 3.....	Greene.
Thomas Bell.....	Oct. 16.	Miner.....	Rib broken.....	Draw slate.....	Buckeye.....	Vermillion.
Robert Blur.....	Oct. 20.	Miner.....	Head and arm injured.....	Flying coal.....		
Charles Mills.....	Dec. 7.	Miner.....	Foot mashed.....	Falling slate.....	Otter Creek No. 1.....	Parke.
Joe Usrey.....		Miner.....	Leg broken.....	Roof fall.....	Island Valley.....	Greene.
Toney Nusell.....	Oct. 22.		Finger mashed off by car.....	Mine car.....	Brazil Block No. 10.....	Clay.
George Weeding.....			Collar bone broken.....		Montgomery No. 3.....	Daviess.
James Newby.....	July 23.	Driver.....	Leg broken.....		Peerless.....	Vigo.
Charles Roby.....	Oct. 12.	Miner.....	Not given.....	Falling slate.....	Montgomery No. 3.....	Daviess.
Richard Huff.....	No date.	Driver.....	Not given.....	Mine car and trap door.....	Caledonia.....	Sullivan.
John James and Ed Grace.....	Oct. 23.	Miners.....	Slightly burned.....	Went back on shot.....	Buckeye.....	Vermillion.
Ed Griffiths.....	No date.	Driver.....	Foot hurt.....	Not given.....	Dugger.....	Sullivan.
Arch Kirkman.....	No date.	Driver.....	Foot hurt.....	Not given.....	Dugger.....	Sullivan.
William Green.....	Nov. 19.	Miner.....	Not given.....	Falling slate.....	South Linton.....	Greene.
Sam Silvertown.....	No date.	Miner.....	Back bruised.....	Falling draw slate.....	Mecca No. 1.....	Parke.
Shade Sanderson.....	Nov. 16.	Miner.....	Not given.....	Rope broke, fell in shaft with cage.....	Fanore.....	Vigo.
Otto Smith.....	Nov. 16.	Miner.....	Not given.....	Rope broke, fell in shaft with cage.....	Fanore.....	Vigo.
Alonso Baker.....	Nov. 16.	Miner.....	Not given.....	Rope broke, fell in shaft with cage.....	Fanore.....	Vigo.
James Vanhorn.....	No date.	Driver.....	Collar bone broken.....	Mine cars.....	Buckeye.....	Vermillion.
John Poleayereio.....	Nov. 16.	Miner.....	Back injured.....	Falling slate.....	Klondyke.....	Vigo.

William Davis.....	Nov. 15.....	Miner.....	Leg broken.....	Falling slate.....	Peerless.....	Vigo.
Charles Dutton.....	No date.....	Driver.....	Finger crushed.....	Coal falling down shaft..	Prince.....	Vermillion.
Joseph Bloodsaw.....	No date.....	Miner.....	Not given.....	Got down in powder smoke.	Columbia No. 4.....	Clay.

# FATAL ACCIDENTS REPORTED AT INDIANA MINES, 1900.

NAMES.	DATE.	OCCUPATION.	CAUSE OF ACCIDENT.	NAME OF MINE.	COUNTY.
William Adamson .....	Jan. 3 .....	Miner .....	Climbed over gate, fell in shaft .....	Torrey No. 4 .....	Vermillion.
William Buck .....	Jan. 5 .....	Cager .....	Falling slate .....	Summit No. 2 .....	Greene.
William Hutchinson .....	Jan. 6 .....	Miner .....	Falling slate .....	Dugger .....	Sullivan.
David Burton .....	March 5 .....	Miner .....	Shot blowing through pillar .....	Brouillet's Creek No. 3 .....	Vermillion.
Celestine Vanderbeck .....	March 8 .....	Miner .....	Delayed shot .....	Cabel No. 9 .....	Daviess.
Harry A. McCord .....	March 8 .....	Miner .....	Falling slate .....	Ayrshire No. 3 .....	Pike.
John Mattsie .....	March 10 .....	Miner .....	Falling slate .....	Superior No. 2 .....	Parke.
Charles Gleson .....	March 16 .....	Driver .....	Found between mule and water box .....	Montgomery No. 3 .....	Daviess.
Hugh Dempsey .....	May 2 .....	Slate cleaner .....	Falling slate. Died May 7 .....	Summit No. 2 .....	Greene.
John Tomey .....	July 17 .....	Loader .....	Falling slate .....	Jackson Hill No. 1 .....	Sullivan.
Francis Shanks .....	July 17 .....	Loader .....	Falling slate .....	Jackson Hill No. 1 .....	Sullivan.
James Duncan .....	July 19 .....	Miner .....	Falling slate .....	Ayrshire No. 3 .....	Pike.
Joseph Coker .....	Oct. 3 .....	Miner .....	Falling slate .....	Shelburn .....	Sullivan.
George Snyder .....	Oct. 7 .....	Miner .....	Tamping shot and spark from sulphur fired powder.....	Caledonia.....	Warrick.
D. J. Evans .....	Oct. 26 .....	Mine boss .....	Descending cage .....	Diamond No. 5 .....	Clay.
James Wiltie .....	Nov. 9 .....	Miner .....	Falling slate .....	Glen Oak .....	Vigo.
Alexander Murdock .....	Nov. 13 .....	Engineer .....	Fell down shaft .....	Brazil Block No. 9 .....	Clay.
Vardy Wills .....	Sept. 12 .....	Loader .....	Injured by falling slate. Died Sept. 19..	Summit No. 2 .....	Greene.

NOTE 1.—On March 31st John Walker, a miner, was found dead in his working place in the Union mine at Evansville. The Coroner's verdict gave heart failure as the cause.

NOTE 2.—Henry Mallen, slack boy employed at the Silverwood No. 3 mine in Clay county, was killed by railroad cars.



## CHANGES IN OWNERSHIP OF MINES.

The Green Hill Mine in Sullivan County changed hands in September of last year, and is now owned by Ohio capitalists. It is still, however, operated under the old company name of the Green Hill Coal Company.

D. P. Whitset and his nephew, Paul Whitset, who are connected with the Rainbow Coal and Mining Company, bought the controlling interest in the George Ingle Coal Mine in Sullivan County in November, 1900.

The Nevins Coal Company, whose mine, called Klondike, is located near Grant in Vigo County, sold out this mine to the Brouillet's Creek Coal Company in December, 1900.

The Jaxon Mine in Pike County was purchased last June by David Ingle from William Jackson, its former proprietor.

The Lyford No. 2 Mine in Parke County changed hands in March, 1900, passing into the possession of William Eichberg and his son. It is operated under the name of the Wabash Coal Company as formerly. This mine has changed hands several times in the last few years, and has been allowed to get in bad condition. However, its present owners have expended a large amount of money in improving it, and it is now in first-class condition and is a very desirable piece of coal property. The present owners are also cleaning up the old Lyford No. 1 Mine which burned in 1896, and intend to re-equip it, which, when put in operation, will place this company among the largest producers in the State. These improvements are largely due to the energy and enterprise of the son, William Eichberg, Jr.

The Unity Mine in Vanderburgh County has been operated on a small scale for four or five years, but has passed under the control of the Crescent Coal and Mining Company of Evansville.

OPINION OF ATTORNEY-GENERAL WITH REFERENCE TO PERSONS  
SERVING AS NIGHT WATCHMEN WITHOUT HAVING HOISTING  
ENGINEERS' CERTIFICATES; AND ALSO ON MATTER OF SECOND  
OUTLET OR MAN-WAY.

There have been several complaints made to this office by hoisting engineers during the past year, on account of persons serving as night watchmen who were not holders of hoisting engineers' certificates. The same complaint was made to Mr. Fisher during his term

of office, and he established a precedent by refusing to prosecute such persons, and gave in his report for 1897 his reasons for such action. I decided to refer the matter to the Attorney-General and ask his opinion on the matter.

The question also came up during the year as to whether a mine working a clay and a coal seam both from the same opening, yet working less than ten men in either seam, would be considered as a coal mine subject to the mining laws or not. This question I also submitted to the Attorney-General, and I herewith submit his opinion in both instances:

First. The act of 1897 provides that no person shall serve in the capacity of mine boss, fire boss or hoisting engineer of any coal mine in this State without first having received from the Inspector of Mines a certificate of service or of competency. Section 2 defines the requirements for certificates of service. Section 3 defines the requirements for certificates of competency. Section 5 makes it unlawful for any owner or operator of a coal mine to employ any person in the capacity of mine or fire boss, or hoisting engineer unless such person has a certificate either of service or of competency.

The Inspector of Mines is the sole judge of the competency of applicants. He may determine this by written or oral examination, or both combined, as he may prescribe. Such applicant must show that he is qualified by experience and technical knowledge to perform the duties of mine boss, fire boss, or hoisting engineer. The technical knowledge has reference to the duties to be performed as a mine or fire boss or hoisting engineer. As Inspector of Mines you are the sole judge in determining the issuance of such certificates. It becomes a question of fact with you. Any one who acts as a hoisting engineer must have a certificate. As to what is a hoisting engineer is a matter of fact to be determined by you. You are not limited as to the time of holding the examinations. The places of such examination are fixed by law and you are to determine from time to time, by such examination, who shall hold certificates.

Second. As to your second question: Section 1 of the act of 1879 defines the term "mine" as follows: "The term 'mine' as used in this act includes every shaft, slope or drift which is used or has been used in the mining and removal of coal from and below the surface of the ground."

If one vein of coal is found below another and both are mined out of the same shaft or slope, the number of men employed in the two veins would be counted as one mine and should be added together, because both are mining coal.

The case you put, however, is where there is clay dug and taken out of the same shaft with the coal, the coal being much deeper than the clay, less than ten men being worked in the coal mine and less than ten in the clay.

Many dangers are incident to a coal mine that are entirely wholly absent from a clay pit or mine. In fact the statute does not refer at

all to mining clay. It is my view that the law does not intend that the number of men in the coal mine shall be added to those working on the clay so as to bring the number up to 10. If, however, the number who are working in the clay should become so numerous as to hazard the men in the mine, you would undoubtedly have the right to forbid the use of the same shaft for both purposes.

I have the honor to be

Very truly yours,

WM. L. TAYLOR,  
Attorney-General.